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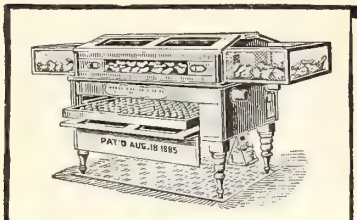
AMERICAN POULTRY JOURNAL

Published by Morgan Bates & Co., 325 Dearborn st., Chicago, Ill.
Price, 50 cents a Year. Single Copy, 5 cents



The Habit of Succeeding is a Good Habit

The poultry industry of the United States is capable of great expansion. There is no danger of overproduction. The poultryman with a

RELIABLE INCUBATOR and BROODER

will see his efforts crowned with a large degree of success. His young chicks will be strong and healthy when they come out of the shell, and with proper food and care in our **Reliable Brooders** will rapidly attain maturity. He will have success, and all the confidence incident to a successful business.

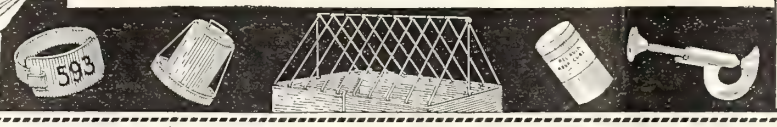
THE RELIABLE FEED COOKER Saves money and feed, It is made from the best cast iron with steel boiler. It is specially designed for the convenience of the large poultry grower. Its price is only $5. for 20 gallon size, and it should be in every poultryman's hen house. This size burns wood only. $12. for 50 gallon size and $16. for 100 gallon size—burn wood or coal.

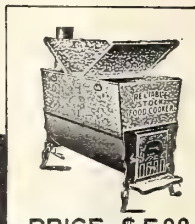
RELIABLE COPPER LEG BANDS are easily applied, easy to read and are durable. They will stay where they are put and will not chafe the leg or cause any soreness or uneasiness to the fowl. You can always tell your own birds when thus marked. Valuable in mating breeding pens. 12 for 20c. 50 for 50c. 100 for 80c. 500 for $3.50. 1000 for $6.50. Post paid or by express.

RELIABLE EXHIBITION COOPS are light, neat and easy to keep clean. They make the fowls appear to better advantage on the show bench by giving everything a neat appearance.

OUR CATALOGUE AND POULTRY BOOK—228 pages, tells all about these things and our Mammoth Reliable Poultry Farm, all breeds—each the best of its kind, sent on receipt of **10 Cents.**

RELIABLE INCUBATOR AND BROODER CO.,
Box A 1, Quincy, Illinois.





PRICE $5.00

STOCK FOR SALE CHEAP.

12 good one-year old Barred P. Rock hens; 10 large White Pekin Ducks and two drakes, one year old. A few young drakes and B. P. Rock cockerels. Also Canary Birds at $1.50 each, warranted fine singers.

H. ADOLPH Ironton, Iron Co., Mo.

POULTRY SUPPLIES

Crushed Oyster Shells, per 100 lb. bag	$ 75
Mica Crystal Grit, per 100 lbs	75
Ground Bone, per 100 lb. bag	2 00

Lower prices for larger quantities.

SHIP US YOUR **POULTRY AND EGGS**

SPRAGUE COMMISSION CO.,
218 South Water St. Chicago, Ill.

B. B. RED GAMES and GAME BANTAMS.

With 25 years' experience we breed and sell birds that win at the best shows. Also the best quality of Pit Games.

E. R. SPAULDING, JAFFREY N. H.

LINE BRED **HOUDANS** SINCE 1874

Am prepared to furnish extra choice exhibition and breeding stock. Matings this season have produced exceptionally fine birds. Remember that this stock has been **LINE BRED FOR 24 YEARS**, and will not disappoint you in the show room or breeding pen.

Peerless Leg Bands,—Best, most durable and attractive. Positively *can not* come off. Prices, postpaid:—Copper; 12, 20c; 25, 35c; 50, 65c; 100, $1. Aluminum; 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed and sex when ordering.

THOS. F. RIGG, Iowa Falls, Ia.

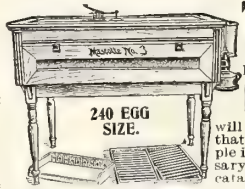
Pease's S-c. W. Leghorns

Still Lead the Procession.

Winning at the Illinois State Poultry Pssociation show, Danville, Jan. 10-15, '98, all association prizes but one and every special. Every bird shown was of my own breeding. Fine style and whiteness of plumage charaterizes my strain of Leghorns. B. B. R. Game Bantams, small in size, great in style. Eggs of both varieties $2. A few Leghorns for sale. No Bantams till I raise them.

Breeder of Large English Berkshire swine. Pigs for sale.

L. T. PEASE, Cisco, Ill.



THE MOST LIVE CHICKS

from a given number of eggs is what every poultryman wants. He wants live healthy chicks too. Not sickly fellows that soon droop and die.

THE MASCOTTE INCUBATORS

will hatch every egg that can be hatched, and so controls the heat and ventilation that there is positively no loss of vitality. The chicks live, thrive and grow. Simple in construction, elegant in appearance, superior in work. No experience necessary. The veriest novice can succeed with it. Don't buy until you get our FREE catalogue and guarantee. The Mascotte Incubator & Lumber Co., Box 23. Bedford, O.

Light Brahmas

The Gems of the West

Some fine 1897 cocks at $5 and $7.50 each. Well worth twice the money. Some of these cocks will look well in the show room. A few nice hens at $3 and $5 each. An extra choice lot of chicks coming on. 20 years a breeder of L. Bs. Send for catalogue giving prizes won, &c. Scotch Collie pups $10 and $15 each. Also older stock. Fox Terriers $5 up.

ALFRED DOYLE, Box 41, Morgan Park, Ill.

CHICAGO SHOW NOTES.

President Kimmey of the National Fanciers' Association has furnished us with a list of the concessions that have been rented for the exhibition up to date, as follows:

C. T. Coyne, peanut dealer, 15 ft.
American Cereal Co., poultry food, 13 ft.
Western Poultry Journal, newspaper booth, 7 ft.
American Fancier, newspaper booth, 10 ft.
Monitor Incubator Co., incubators and brooders, 7 ft.
Axtel Incubator Co., incubators, 7 ft.
Darling & Co., poultry supplies, 14 ft.
U. S. Express Co., express office, 13 ft.
Adams Wire Co., Joliet, 6 ft.
P. H. Sprague, Com'n merchant, 10 ft.
DeKalk Fence Co., wire, 7 ft.
Reliable Poultry Journal, newspaper booth, 13 ft.
Reliable Incubator Co., incubators and brooders, etc., 53 ft.
Ertel Incubator Co., incubators and brooders, 24 ft.
Cyphers Incubator Co., 38 ft.
Shoemaker Incubator Co., incubators and brooders, 15 ft.
H. S. Burch, poultry supplies, 14 ft.
C. T. Coyne, refreshments, 12 ft.
Des Moines Incubator Co., incubators and brooders, 43 ft.
Am. Ex. Co., express office, 12½ ft.
P. D. Armour, poultry supplies, 12½ ft.
Mann Bone Mills, 13 ft.
Backus Mfg. Co., 7 ft. 2 in.
Von Culen Incubator Co., incubators and brooders, 20 ft.
Star Incubator Co., incubators and brooders, 28 ft.
Ill. Incubator Co., 13 ft.

* * *

The catalogue of the joint show has been sent out and extra copies can be secured if anyone has been overlooked, by writing to the officials, or by sending a request direct to American Poultry Journal office.

* * *

We wish to call especial attention to the cover of the Chicago show catalogue. It was designed and made by The Frank B. White Co., Chicago, and in our judgment is one of the finest pieces of work in artistic effect and execution ever put out for such purpose.

* * *

It's going to be a hummer.

* * *

Bring your birds. If you can't bring them, send them. They will be well taken care of and well fed.

* * *

Bring your appetites for the banquet at the Sherman house on the evening of January 11th. The chicken cranks will all be there.

* * *

The banquet will bring together some of the best known fanciers of the entire country.

* * *

There will be music between talks.

* * *

We urge all our advertisers and friends to exhibit their birds and help make this what it promises to be—the greatest show ever held.

* * *

The banquet tickets have been placed at $1 each, and can be secured of F. B. White, Chicago, chairman. You'll have more than a dollar's worth of enjoyment and good time.

* * *

The banquet will be a grand round-up of fanciers where scores will be forgotten and only "the good of the fraternity" prevail. No other subject need apply.

C. W. Moses, of Dunkirk, O., commences his yearly advertising this month and announces his Buff Plymouth Rocks.

AMERICAN BEAUTY STRAIN SILVER LACED WYANDOTTES.

A limited amount of stock, some a year old and some of this season's hatch, now for sale. We have a few very fine cockerels from our prize winners, which we offer at reasonable prices—to suit quality. Most of this season's hatch which we offer for sale are from our fine pen of five pullets and cockerel which scored an average of 92 points at the Chicago show last

January. State your wants and we will tell you honestly if we can supply them. Remember we breed high class Silver Laced Wyandottes only. Eggs for sale in season. See our Wyandottes at the Chicago Poultry Show in January, 1899. We will be there. Electric car connection from Chicago to our yards. We will send you a circular if interested.

KENILWORTH POULTRY YARDS.
Oak Park, Ill.

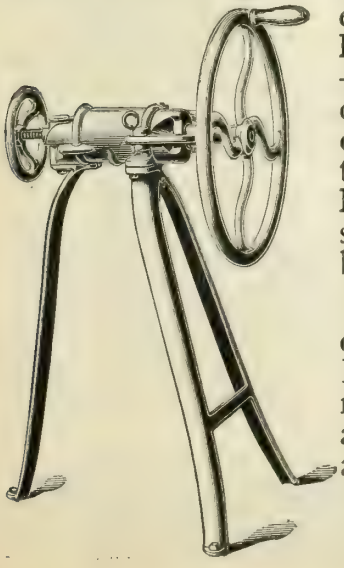
Adrian thinks itself the biggest town in Michigan today because the Page Fence Company has shipped 400 miles of wire to Nebraska farmers in one big load. The wire went out on a special train of thirty cars.—Grand Rapids Press.

The Premier Green Bone Cutter

IS NOT LIKE OTHER BONE CUTTERS

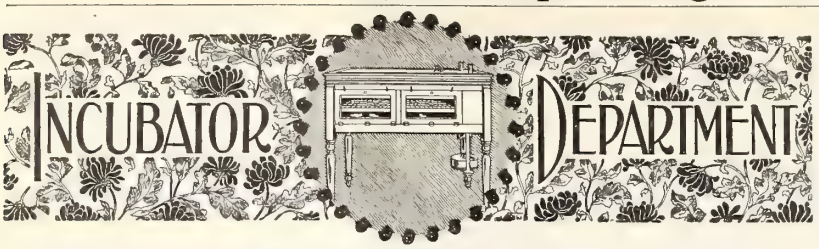
--IT IS BETTER.

It is the only bone cutter made that is equipped with ball bearings. That makes it turn easy. People of experience know that most bone cutters turn hard, especially if they REALLY CUT BONE. Well, this one REALLY CUTS THE BONE and turns so easy that a woman—and there are many women in the poultry business—or a child can turn it if necessary. It has the special advantage of CLEANING ITSELF after each cutting—no substance left to remove by hand or become putrid and foul. It cuts the HARDEST and SOFTEST BONE, GRISTLE, MEAT or other substance into a fine food, easily and greedily consumed by both LARGE FOWLS AND CHICKS.



The feed is DIRECT, SENSITIVE and EASY. You can make it cut fast or slow at will with the slightest touch. It is well constructed, of good material and will last indefinitely. Don't buy a bone cutter until you get our circulars and prices. We can both satisfy you and save you money at the same time. Address,

W. J. ADAM, Joliet, Ill.



Written for AMERICAN POULTRY JOURNAL by J. W. Myers, President of Reliable Incubator and Brooder Co., Quincy, Illinois.

Artificial incubation as it is to-day, with the latest improved machines, has no more risks than by the old Mother Hen process.

The principal points of artificial incubation are the selection of eggs, ventilation, application of moisture and turning the eggs while in process of incubation.

Your incubator can be set in any room of an ordinary dwelling house, so the temperature does not go below freezing point; or a good dry cellar is a splendid place.

In selecting eggs for artificial incubation, use the same care as you would in selecting them for the hen. See that your females are mated with good lively and vigorous males, not putting over ten females to one male in large breeds, such as Plymouth Rocks, etc., or 15 females to one male in small breeds, such as Leghorns, etc. Be sure your eggs are not chilled, and do not set eggs over two weeks old, for old eggs not properly turned will cause a great many chickens that hatch to be cripples. An egg that lies in one position too long will stick to the shell. In placing them in incubators, the germ will form and the small fibers or blood vessels that are stuck to the shell must be released, and often in turning the egg while in the incubator it will break loose and also break the blood vessel or small cord or fiber. It depends upon how important this small blood vessel or fiber is, as to how it affects the chicken. If it is a main blood vessel, it will often kill the chicken. If it is some cord or small blood vessel, it will cause the chicken to have either crooked neck; its legs will spread out, or it will not be able to stand on its feet.

Old eggs always take longer to hatch than fresh ones, and the older the eggs are, the weaker will be the chick; the fresher the eggs, the stronger will be the chick. Try an egg that has not become cold after being laid. It will generally hatch, in a degree of 103, on the evening of the 18th, or morning of the 19th day. An egg three weeks old, will seldom hatch, with the same degree of temperature, until the evening of the 21st or morning of the 22nd day. The retarding of the hatch weakens the chickens.

In saving eggs for hatching, discard all odd shape, very small or rough-shell eggs. Turn your eggs while saving, one-half over every twenty-four hours. See that your incubator is properly heated and regulated, so the temperature is at incubating degree (103 degrees).

Fill the incubator with selected eggs, and see that the center of the bulb of your thermometer stands one-fourth of an inch below the top of your eggs. This gives the temperature of the germ of the eggs. Do not let the bulb of thermometer touch an egg; for an egg is liable to be weakly fertilized, or the germ may die, and a weakly fertilized egg will be from one to two degrees colder than a strongly fertilized egg; and an infertile egg or an egg that has a dead germ in it, is from three to four degrees colder than a strongly fertilized egg. So it is the temperature of the air on a level with the germ of the egg in the egg chamber you must keep at the 103 degrees to get the right degree in artificial incubation.

The ventilation and moisture of an incubator go together, for the moisture problem is solved when you get the correct ventilation, that is in ordinary altitude. With the Reliable incubators, the ventilation is so arranged that you can control your moisture by your ventilators without the use of artificial moisture. Every egg has sufficient moisture, when first laid, to hatch itself without applying it artificially, and it fully depends upon whether your eggs have laid so long that they have become dry or whether the ventilation in your incubator is correct, as to whether you will need to apply moisture artificially. The above applies to all locations, except very high altitudes, such as Denver, Colo., etc., and where you are running your incubator in a hot, dry garret, or in a room with a hot air furnace. Of course this will dry up the atmosphere to some extent, and you will probably have to apply a little moisture about the 19th day, in the last mentioned places, or set a bucket of water near the machine so air will be dampened before entering the ventilators. You will also have to apply moisture artificially if your eggs are very old. In applying moisture artificially, be sure the water is 110 degrees.

An incubator must be well protected from outside changes by insulation between the wall, and should be double walled. Never have a direct draught to your egg chamber. With the late improved Reliable incubator all the air that is used to ventilate the egg chamber is heated before it is allowed to enter the egg chamber, so as not to allow cold air to come in contact with the eggs while in incubation. The Reliable incubator has a separate air chamber at end of machine where the air is heated and drawn from this separate warm air chamber to the egg chamber just as it is needed. The balance of the warm air in this separate compartment is utilized in making a circulation between the double walls, double doors and double bottom, which are doubly lined with heavy cardboard. This protects the egg chamber from any outside changes.

Eggs should be turned not less than once each twelve hours. Eggs should be tested on the 5th day of incubation, testing in the same manner you would candle eggs; have a bright light, look closely, and a fertile egg will show a small black spot with the small fibers or blood vessels branching out from this black spot. An infertile egg will be perfectly clear without any sign of a black spot, or it will look just as a perfectly fresh laid egg does. The best and quickest way to learn to test eggs is to break, in a saucer, one that you think is fertile, one you think is infertile and one you think is doubtful. Examine them thoroughly before and after breaking them.

Just as soon as your eggs begin to pip, close up your egg chamber and do not open it until the evening of the 21st or morning of the 22nd day. The object of keeping it closed is to allow no moisture to escape and that the chickens may become perfectly dry at the earliest possible time. By keeping the chickens in the same degree of temperature, they will dry off with a nice fluffy appearance and not look as though the feathers are pasted on them.

Do not look at your incubators but twice a day. They are no babies, and need not be nursed. It is a detriment to the hatching to continually open and close your incubator doors. Let them alone. Only see that you turn your eggs and keep your lamp filled and well trimmed. The regulator, if set correctly, will take care of the temperature.

S. A. Noftzger, of N. Manchester, Ind., a Buff Plymouth Rock man, is a new advertiser and commences a yearly contract with us in December.

GOLDEN WYANDOTTES.

By Ira C. Keller.

Golden Wyandottes are known as the "Beauty breed." They are bred wherever fancy poultry is kept, the world over. Ten years ago, when the late Joseph McKeen and I offered them to the public, I predicted that they would become famous as both a utility and a fancy fowl. English fanciers took to them readily.

The Golden is undoubtedly the favorite variety among breeders and lovers of the Wyandotte. The colors in the plumage rival those of the Peacock. The rich golden bay and the brilliant greenish black harmonize beautifully.

When one stops to think of the labor of establishing a new variety, the wonders of scientific breeding are realized. The Goldens contain in most instances seven-eighths Silver Wyandotte blood. The numerous disappointing matings, in the attempts to secure desired results, are never known to the buyers of a bird that is finally brought to fixed characteristics. The originator of a variety never gets paid for his work except in the form of his own satisfaction.

The Golden Wyandotte has taken a firm hold on the fanciers in many of the European countries, and also in Australia, New Zealand, Japan, South Africa and South America. We have shipped them to fourteen foreign countries.

In the matter of utility, there is no breed which will outlay the Goldens. They are suited to all climates. They do not become too heavy and fat in the second year. They have neat, trim bodies, yet are sprightly and good foragers when at liberty, and are, at the same time, able to stand confinement. They are now bred to a high state of excellence, in respect both to points and utility.

W. H. Scovil, of East Lebanon, Me., has Buff Cochin pullets of rare excellence, and also a finer lot of Buff Plymouth Rocks than he ever before raised. His specialties are in buff.

Buff Plymouth Rocks.

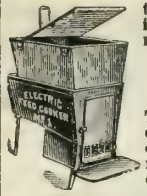
R. W. Roberts, Camroden, N. Y., (money and express office Rome, N. Y.) has buff Plymouth Rocks that are golden buff throughout, including undercolor. Observe his ad on back cover page.

E. A. Haller's Winnings at Sunbury, O.

At Sunbury Show, Charles McClave, judge, I won 7 firsts, 5 seconds and 3 thirds on Golden Wyandottes, Barred Rocks and Buff Cochins. Good birds cheap. Eggs in season.

E. A. HALLER,
Sunbury, Ohio.

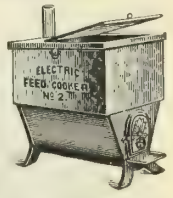
BABY BEEF AND PIG PORK



the kind that never stops growing a minute and which matures at an early age, is the kind that produces the greatest percentage of profit. This problem of quick maturity is solved by

The Electric Feed Cookers.

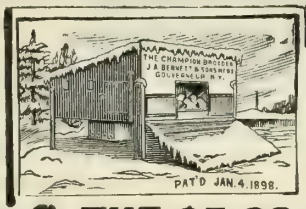
They cook all kinds of stock food, ground or unground, **quickly, thoroughly and cheaply.** Because of their peculiar construction they require less fuel than any cooker made. They have a dead-air space between the inner and outer plates, which conserves the heat, and thus they



REQUIRE LESS FUEL AND RETAIN THE HEAT LONGER.

Made of best **gray iron castings and lined with plates of steel.** Boilers of **best galvanized steel.** Three styles, five sizes—25 to 100 gallons. Free book on "Feed Cooking" sent to all interested parties on application.

ELECTRIC WHEEL CO., Box 157, Quincy, Illinois.



In Zero Weather

when everything is frozen up tight is the time to test a brooder. It is then that the poultryman wishes to be sure that he has made no mistake in buying a machine.

THE $5.00 CHAMPION BROODER IS KNOWN BY ITS WORK.

It fills every requirement. It has stood the zero test repeatedly in the worst blizzards of years. It brings its chicks through every time under all conditions. Endorsed by the very best authorities. Send for descriptive catalog and testimonials.

J. A. Bennett & Sons, Box A. Gouverneur, N. Y.

DON'T PAY A CENT

for an incubator of any kind until you have given it a thorough trial. Some incubators were never intended to hatch chickens but are only made to sell.

We send you this **VON CULIN INCUBATOR ON TRIAL.**

After you have tested it to your satisfaction you pay for it. So easy to handle any child can run it. **Took First Prize at World's Fair and Medal at Nashville and Omaha Expositions.** We send the largest and most instructive catalogue published for 5 cents.

Plans for Brooders and Poultry Houses, **25c.** **VON CULIN INCUBATOR CO.** No. 2 Adams Street Delaware City, Del.

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3½x5½ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x5⅝ in., at same price.
☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash.
☞No less than 100 of any one kind printed.
☞Samples for a 4-cent stamp. None free.

JEFFIE R. HUDSON, HARDIN SPRINGS, KY.
(Mr. Hudson is perfectly reliable.—EDITOR.)

This is the way they tumble out when good fertile eggs are placed in a

MONITOR INCUBATOR

They are made to hatch chickens, and they do it with great regularity and economy and with the smallest amount of attention. Hundreds of users testify these facts. Large percentage of live chicks from fertile eggs is their strong feature. Buy the profit winning **MONITOR** and be prosperous. Large catalogue for 4 cts. stamps.

THE MONITOR CO., Box 35, Moodus, Conn

MONTAUK STRAIN.

Sired by Montauk Chief.

Barred Plymouth Rocks.

50 Elegant Cockerels, all Standard color, without any white or splashy feathers.

This splendid lot are sired by the famous "MONTAUK CHIEF," a marvel in shape, style and barring.

High Honors Won

with birds of my own breeding.

R. W. DURYEA,
Great River, L. I. N. Y.

These cockerels will go for less than half their real value. Write for prices and name kind of birds you want.

S-c. BR. LEGHORNS, S-c. BL. MINORCAS.

Winners at leading shows.

W. H. WIEBKE,
266 Beaver ave., Ft. Wayne, Ind.

A NICE CUT

well brought up is half the job. That's the kind we have and that's the way we do it. Send 2c stamp for samples and be convinced. Printing is our business. Nothing cheap about our work except the price. An order for 100 receives as much attention as one for 10,000. Envelopes from $1.25 for 500 up; noteheads, $1.25; letterheads, $2; tags, $1.20. Express paid. All our note and letterheads are ruled on both sides.

DAVID L. CLARK, Printer,
Station K, Philadelphia, Pa.

SEED **DUE BILL FREE**

To get new customers to test my seeds I will mail my handsome **catalogue for 1899,** lithographed and beautifully illustrated, and a **10c. Due Bill,** good for 10c. worth of seeds for trial, **absolutely free.** It is full of bargains. All the **Best Seeds, Bulbs, Plants, Roses, new Fruits, Farm Seeds, Potatoes, etc.,** at lowest prices. **Ten Great Novelties** offered without names. I will pay **$50. FOR A NAME** for each. Don't buy your stock until you see this new catalogue. Several varieties shown in colors. Great inducements for orders this year. **You will be surprised** at my bargain offers. Send your address on Postal to-day. Tell your friends to send too. Old customers will receive a copy.

F. B. MILLS, Seedsman, Box 59, Rose Hill, N. Y.

ARE YOU WITH US?

THE DEALER IS AGAINST US

because we sell you wire fence direct from the factory at wholesale prices.

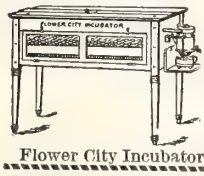
The dealer does not give you a better fence than we do, but he charges you more for it. You can buy the

ADVANCE FENCE

direct from us just as cheap as the dealer can. That makes a saving that will amount to something nice. A postal card will bring you circulars and prices.

ADVANCE FENCE COMPANY,
5801 Old Street, Peoria, Ill.

GET THE WORLD'S STANDARD BEST.



The most profitable money making machines in existence. A free machine to every cash customer to introduce their merits. Large illustrated circular, 5c; valuable catalogue, 10c. (Mention this paper.) Address,

Flower City Incubator Co., Rochester, N. Y.

GRANT'S BUFF COCHINS and Lt. Brahmas

Have Never Failed to Win Their Share of the Premiums.

Are you looking for show birds or fine breeding birds? If so, write me, describing your wants. I am sure that I can please you. Bred from my winners at Buffalo, Rochester, Elmira.

JOSEPH H. GRANT, Elmira Heights, N. Y.

S. D. MANDEVILLE, Sidney, Ill.,

BREEDER OF

Wh. Holland Turkeys & Black Cayuga Ducks.

I have a choice lot of Turkeys and Ducks to sell cheap, considering quality. My stock is first-class. Note Premiums received at the Illinois State Poultry Show held Jan. 10-14. Turkeys—On cockerel, 1st, scored 97; pullet 1st, 96½; hen 4th, 91½. Ducks—1st on young pair, 2d young pair, 1st aged duck, 1st Breeding pen.

Bargains in Poultry Papers.

Until further Notice we offer the following bargain in strictly first class poultry literature,

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THE FANCIER IN THE POULTRY YARD

BY THOS. F. RIGG.

I am very glad indeed that the editor has designated as the special constituency of this department the men and women who are, by common consent, recognized as "Fanciers." The fancier has created all there is good and beautiful in the realm of poultry. Because of the labor and pains of the Fancier the poultry business is now one of the great industries of the world. The Fancier has created breeds of fowls that are profitable and beautiful alike. The whole world accepts the results of the fanciers' labor of love and call them blessed. It is a wise and benevolent order of Providence that man shall exercise his superior intellect for the betterment and advancement of all around him. The fancier recognizes this great truth. It strongly appeals to his nature. He is a lover of the beautiful in all nature, and he finds great pleasure and satisfaction in modifying and meliorating organized existence in the animal kingdom. Were it not for men and women of such character the world would be indeed a dreary place. Were it not for the fanciers of today in a few years we might as well look for a dancing master among the Hottentots as to look for practical and beautiful fowls in this world.

There is, in the very nature of things, a wide difference between the fancier and "chicken raiser." The hopes and ambition and aims of the one have but little in common with the other. The fancier creates. The great mass of the people accept these creations and depend upon the fancier to supply them with what is now termed standard bred stock. The world has accepted, after a great deal of scoffing and denunciation, the creations of the fancier, as the best obtainable—as something beautiful and practical alike.

It was the fancier, not the breeder, who gave to the world the Plymouth Rock, a fowl that has friends in every country and is alike the pride of the fancier and the market poultryman. Not to the breeder but to the fancier are we indebted for the beautiful and practical Wyandottes, the stately and popular Cochin of today, and those marvels of beauty, the various bantams. Do you for one moment think that solely for the money to be gained that noble old Roman, Isaac K. Felch, would have undertaken the task of establishing from the pair of fowls which came from off the ship in Boston Bay 40 years ago the magnificent and useful Light Brahma of today? No. In this man the fancier instinct was strong, and he followed the promptings of the fancier. Of course he worked on practical lines, but the work was in reality the work of the lover of the beautiful in nature. Has that learned lawyer and able writer, H. S. Babcock, spent years in bringing out and perfecting his new creations in poultrydom for the sake of the dollars and cents to be derived? Most certainly not. Was it for love of money that John Sebright "made" the Sebright Bantam for years the most beautiful creation in the Bantam class? The financial gain was not a consideration with this man. He was a fancier and just acted as one. That was all. Are the leading fanciers of today working to perfect certain varieties simply for money gain? We all know they are not. These men would not for any reasonable amount of money drop their creations and take up something that does not appeal to their fanciers' nature. And if any one of them should do this he would be the most miserable of men.

But the world is full of fanciers everywhere. In truth, most people who are now engaged with standard bred fowls are fanciers, after all. The poultry press, the great educator, is making—developing—the taste of the people for the combined beautiful and practical fowl, and standard points in a fowl are now a fixed value in the commercial world, for people have learned that standard requirements are the best indicators of usefulness in poultry today.

So it is that the fancier and the whole people have finally come together.

The fowls we have today, despite their good qualities, can be improved. There is no doubt of this. Each and every man who is breeding poultry knows this. It is my candid opinion that the average flock of fowl as bred deteriorates instead of improves under the conditions as kept and care given. What I mean is this: The average man who buys a pen of fowls from a fancier who has worked for years to perfect a prolific egg-laying strain does not maintain that exceptional merit in his flock for any great

length of time. Unless he is a fancier he certainly will not do so. I mean he must have that something in his nature which makes the study of his stock the constant working for betterment a matter of pleasure. But beyond this there is a practical side. The truth is that very naturally the true fancier is the one who, if he so desires, can reap the greatest financial gain. People today want something extra good and have the money to pay for it.

As a matter of course the men who are today breeding intelligently, breeding scientifically, are the men who have high class breeding and exhibition stock for sale. The men who are simply "going it blind"—mating birds at random—with no knowledge of their breeding and ancestry, are the ones who meet failure each season. We should start right. That is of great importance. In this series of articles it will be the aim of the writer to give the facts as brought out in his years of line-breeding.

In the first place we must lay the foundation upon which we are to build a family of fowls—a race as it were—or what is now commonly designated "a strain." We will select the very best stock at our command. Today it is not difficult to secure the proper material. We will buy a male bird which is as nearly a perfect representation of the breed as possible. Every point about him should be carefully considered. Particular attention should be paid to shape, for after all is said and done shape largely makes the breed. It is far easier to put on to our birds color markings than shape. Notwithstanding this the male should be of the proper color, for color is largely thrown by the sire. No matter how fine a bird may be in all these points do not use him in this capacity unless he comes from a long line of ancestors of special merit. We must be particular in this choice, as we will keep this male line unbroken for a long time. In the selection of the female be as careful. Secure one of the desired character, one which is of the same family as the male if possible, but not too closely related. Do not let the types of these birds be at variance. Have male and female of the same type, or as nearly so as possible.

We are now ready to open our breeding book—our pedigree book. We have made an intelligent beginning and propose to breed along scientific lines, pursuing a method that in the very nature of things will give us not only the best results but known results. There will be no guess work about it. It will be in accord with the great uncompromising governing laws of nature.

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WITH OUR ADVERTISERS.

There is a poultry fencing called "M. M. S.," made at DeKalb, Ill., by the DeKalb Fence Co., which is really very satisfactory and economical.

F. W. Mann & Co., Milford, Mass., are rushed with business. The Mann Clover Cutter is making a great hit. Poultrymen are everywhere praising it. Like all the goods made by this house, it is "up to date." Last month they shipped Bone Cutters to Sweden, England, Scotland, Switzerland, Australia, South Africa, Mexico and South America, besides all parts of the United States. Merit made known by advertising is their rule.

Illinois Incubator Co., Streator, Ill.—Do not wait until too late to buy that contemplated incubator. It would be much better to buy now, and thoroughly acquaint yourself with it before the hatching season is at hand.

Rev. W. H. Hormel, Rutledge, Mo.—At the N. Mo. exhibition I had a Light Brahma pullet which, barring weight, scored 94½, by Russell. She is large in frame and good for standard weight soon. A cockerel I showed went through without a cut on wing.

Thos. F. Rigg, of Iowa Falls, Ia., has just sent one lot of his Houdans to Mexico City and another to Granada, Mexico.

O. E. Skinner, Columbus, Kas.—We have one of the largest poultry plants west of Chicago. I am very busy, even with three helpers. The birds are handled principally on the isolated plan. The two extreme houses are about one-third of a mile apart. There are 35 distinct buildings. For eggs at this season of the year we bank on the Partridge Cochins.

F. S. Burch & Co., of Chicago, and The Geo. H. Lee Co., of Omaha, have opened a branch store at 68 Murray street, New York, to better supply their eastern customers with Blood Meal and Lee's Lice Killer. This makes a strong business house.

The Page Fence Company, Adrian, Mich., has added music to its many novel ways of gaining publicity. The fence is not a waltzer, however. It stands firmly.

O. E. Skinner, of Columbus, Kas., writes glowingly of his favorite variety, the Partridge Cochin. Although he breeds S.c. B. Leghorns, B. P. Rocks, Buff Cochins and Light Brahmas, he is positive that the beautiful Partridge is the egg-producer par excellence. Surely, no one will dispute Mr. Skinner's taste in style; for those birds are the ideal of beauty.

The Petaluma Incubator Co., of Petaluma, Calif., is doing a fine business this year. They have just filled an order for 122 machines to one concern in Australia. The factory is running day and night.

S. E. McIntosh, of Hardinsburg, Ind., is a member of the American Buff Plymouth Rock Club, can furnish cockerels, pairs, trios or pullets and hens of each variety he breeds. In addition to Buff Plymouth Rock he has Black Langshans, and Buffs are the G. W. Hamm strain, bought directly from Mr. Hamm.

Israel Root, the well known poultryman of Bloomington, Ill., breeds the Coin Gold strain of Buff Plymouth Rock. Also wire haired Scotch Terrier dogs.

O. C. Link, of Lincoln, Neb., continues his ad in this issue, advertising Golden Buff Rock stock for sale on approval.

W. C. Denny, of Rochester, N. Y., the efficient secretary of the American Buff Plymouth Rock Club, has an ad in A. P. J., and will be a continuous advertiser of his Buff Rocks.

W. H. Scovil, of East Lebanon, Me., the vice-president for Maine of the Buff Plymouth Club, commences advertising his Buff Plymouth Rocks. Your money's worth or your money back is the plan on which he does business. Besides this variety he has Buff Cochins, Buff Cochin Bantams and Buff Leghorns.

W. N. Smith, of Ohio, Ill., commences a new ad which he will continue through the year.

J. B. Heck, of Pittsfield, Ill., is the Illinois vice-president of the American Poultry Plymouth Rock Club. His stock is from the best that can be obtained.

M. Bliss Dewey, of Concord, Mich., has an increased space describing his Barred Plymouth Rock.

Joseph H. Grant, of Elmyra Heights, N. Y., advertises Giant Buff Cochins and Light Brahmas. Mr. Grant has been breeding thoroughbred fowls for a number of years, and would be pleased to send record of his winnings which he assures us in his letter has been very fine. Mr. Grant guarantees satisfaction or money refunded.

E. F. Peirce, of Catawba Island, Ohio, announces for sale some nice Barred Plymouth Rock and Cochin pullets, cheap.

W. W. Hogle, of Evanston, Ill., is advertising Black Langshan cockerels and Spongia roup cure.

The Buckeye Incubator Co., of Springfield, Ohio, renew their advertising for another season. Their specialty is a 30-day trial of every incubator they sell, no matter how small. They contend that one million testimonials are not so convincing as their 30-day trial offer. You may hatch chicks every day in the week with their Compartment Incubator. One fine feature of their machines is their Patent Pneumatic Regulator with which overheating is impossible.

B. F. Huntington, Platteville, Wis., reports sales of the "Peerless" leg band as entirely beyond his expectation. The band is giving satisfaction.

W. H. Wieshar, of Freeport, Ill., has a new trade mark. He is breeding Buff Plymouth Rocks exclusively. He won about everything at Freeport in February, 1898, on his buffs. Write him at 112 Stephenson street.

C. F. Lang, of LaCrosse, Wis., writes that he has a few S. C. Brown Leghorn cockerels that are good breeding birds, which he will sell for $1.50 apiece, or two for $2.50. He also has fine exhibition birds from $3 up. In addition to this he still has a few more one-year-old hens that are good ones, which he will sell from $1.00 to $1.50.

William M. Hughes, of South Portsmouth, R. I., better known as "O. K. Billy," makes a change in his advertising that is of particular interest to Langshan breeders. In addition to his own stock, which is always above par, he has just purchased a large lot of Langshans bred from his own stock, from a party who is going out of the business. As a result Mr. Hughes is loaded down too heavy for winter and must dispose of some of his stock. This stock can be had at low figures, the main consideration with him, at present, being to make quick sales in order to secure room. This is one of the best chances of the season to get good stock cheap with reputation behind it, and the opportunity will not last long.

E. A. Haller, of Sunbury, Ohio, received the following awards at the Sunbury show, November 15, 1898, in strong competition, with Chas. McClave judge: Golden Wyandottes—cock, 1st, 2d; cockerel, 1st, 2d, 3d; pullets, 1st, 3d; pen, 1st. B. P. Rocks—cock, was not competed for; hen, 1st; cockerel, 2d; pullets, 2d, 3d; pen, 2d. Buff Cochin—cock, 1st; hen, 1st; cockerel, 2d; pen, 2d. Good stock for sale.

G. C. Flegel, of Westville, Ind., writes us that he has but a few of those white Wyandotte cockerels left and those which are on hand, while late hatched, are well up to the Standard weight and are from the best strains in the country, and not a cockerel that will not reach full standard weight by January. They are not show birds but are strictly first-class breeders that will bring out a large per cent good enough to enter in any competition. They are bred for utility purposes up to Standard requirements. His ad is in A. P. J. Write him; he furnishes his own stamps for reply.

Rev. E. W. Rankin, of Manitowoc, Wis., again advertises his Buff Cochins. He made a great record for prizes and sales at the last Chicago show. His first prize pullet was said to be much better than the Boston and New York winners, and was probably the best pullet shown in the country last season.

Struthers Sisters, of Princeton, Ill., breeders of Black Langshans exclusively, report that they have a much finer lot of birds this year than they have ever raised before and that they expect to get their share of the premiums at the leading shows the coming season. Write to them for their prices and you will receive prompt attention.

Chas. McClave, of New London, O., has filled every available date on his calendar as judge. His list includes 14 shows, in Ohio, Michigan, Illinois and Iowa. Mr. McClave has had twenty years' experience in the breeding yard and show room. His catalogue of land and water fowl and deer is interesting.

S. J. B. Dunbar, of Elkhorn, Wis., has something new to say about Mammoth Bronze Turkeys.

Aug. D. Arnold, of Dillsburg, Pa., the Buff Leghorn man, has stock to please the most exacting fancier.

E. B. Morgan & Sons, Loda, Ill., took nine ribbons on 20 birds at the Paxton show, in competition with 150 birds. They have a fine lot of Rocks and Langshans, and a few Light Brahmas.

A. A. Gray, of Redwood Falls, Minn., has been an advertiser in A. P. J. for a good many years. Mr. Gray writes that he has recently been making changes and improvements, and now has about as complete a poultry farm as the northwest can boast of. He has ten acres enclosed with poultry fencing and devotes the entire place to the raising of pure bred poultry. He has about 900 chickens on hand, 200 Bronze turkeys and 100 Pekin ducks. The greater portion of these he wants to dispose of at once.

C. C. Shoemaker, of Freeport, Ill., has a catalogue that is equal to a small library. It costs only 15 cents.

E. T. Blood, manager of the Crescent Farm, Kent, O., in a recent letter writes that they are loaded down with good White Leghorns and Buff Cochins, and would be pleased to have readers of American Poultry Journal send for one of their circulars.

Notice the ad of Riverside Poultry Yards, Algonquin, Ill., for Black Leghorns and Barred Plymouth Rock, and the clearance sale of the stock.

E. C. Brattain, Connersville, Ind., has only Brown Leghorns, but he has some fine ones. He is a specialist in this variety. Pierce scores his stock from 95½ to 94½. Write him and mention A. P. J.

Twenty-five Silver Wyandotte cockerels, nice large birds, of Tarbox stock, are offered by A. A. Bisbee, Hartley, Ia. Here is a chance.

Popular buff birds were in force at Sabina, O., where Ralph H. Mathew took a string of prizes on Buff Leghorns and Buff Cochins. His scores on the former range up to 95. The Cochins went to 93½.

W. A. Hoyt, Whitewater, Wis., has a thousand farm-raised birds. He guarantees to please his customers or refund their money. In order to ascertain the varieties offered we refer you to his ad in this issue.

F. D. Bennett, Galena, O., breeder of Cornish Indian Games exclusively, won as follows at Sunbury, O., under McClave: Cocks, 2d, 3d, 94½, 94; hens, 1st, 2d, 3d, 94¾, 94½, 94; cockerel, 3d, 94; pen, 2d, 188 7-16th.

Ezra Cornell, of Ithaca, N. Y., the famous breeder of Buff Leghorns, still holds his challenge open to breeders of that variety. He will compete with all comers for an eastern championship prize at the New York show. Mr. Cornell has refused $60 for the sire of some of his young exhibition stock.

A practical catalogue of poultry supplies is issued by the Harvey Seed Co., 65 Ellicott street, Buffalo, N. Y. It contains nothing but direct information and is one of those little books of reference which every poultryman likes to have in a convenient place, ready in time of need.

"Montauk Chief" is the sire of some fine B. P. Rock cockerels now offered by R. W. Duryea, of Great River, L. I., N. Y. Write him and say just what you want.

A. & E. Tarbox, of Yorkville, Ill., are known the country over for their Silver Wyandottes. This year their flocks are finer than ever.

Rowland Hill, who manages the Rapid Run Poultry Farm, in Hamilton Co., Ohio, joins the list of advertisers in A. P. J. The specialties are Pekin Ducks, S. and W. Wyandottes and W. P. Rocks. We invite readers who are interested in these classes to write Mr. Hill, addressing Station F., Cincinnati, O.

Drs. A. S. and W. T. Kirkpatrick, Lincoln, Ill., have for several years past been improving their Black Langshans and Light Brahmas. This season's stock is in splendid condition. The winnings at Lincoln last year were a clean sweep on these breds.

Mrs. M. F. Miller, Shepherd, Ill. (money order postoffice, Hannibal, Mo.), has a number of White Wyandottes and S-c. B. Minorcas, wnich are of the best strains. We can recommend Mrs. Miller to those seeking these breeds.

E. M. Durham, La Plata, Mo., breeds the Empire strain of W. P. Rocks, and has Buff Wyandottes and Buff Cochins. Mr. Durham is experienced and reliable.

J. H. Doane, Gouverneur, N. Y., the Black Minorca breeder, writes that his sales were never so good as they are this season. He desires all fanciers in his line to "come on and get acquainted."

E. B. Morgan & Son, Loda, Ill., are well known breeders. Their winnings this year show that their B. P. Rocks, B. Langshans and Light Brahmas are very fine. When writing them, mention A. P. J.

W. H. Wiebke, Fort Wayne, Ind., won the following prizes at the Cleveland show on S-c. B. Leghorns: Cockerel, 4th; hen, 1st; pullets, 1st, 2d, 3d; pen, 1st. His stock is well known.

Cedar Rapids Grit has come to stay; is far superior to oyster shells or cheap limestone grit. It made from clam shells, reduced by powerful crushers to four sizes, as approved by the best fanciers. It is carefully screened and assorted in sizes, so that every sack is alike. Address Cedar Rapids Grit Co., Cedar Rapids, Ia. For the next thirty days they offer to ship two 100-pound sacks for $1.50. This will carry your flock through the winter.

G. G. Wherry, Galena, Ohio, showed 19 S. S. Hamburgs and three Wyandotte hens at Sunbury, Ohio, with McClave as judge, and won on former: Cock, 1st 93; hens, 1st, 2d, 95½, 93½; pullets, 1st, 2d, 3d, 94½; ckl., 2d, 93½; The 1st ckl. was from eggs sold by him. Also won 1st on G. and S. Wyandotte hens.

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A Little of Everything.

This Department is designed to bring our readers in closer touch with the editor and the fraternity generally. Many an invaluable idea comes to mind at odd moments, as an inspiration. The poultry man says, "That ought to be printed," but he neglects jotting it down, as the task of letter-writing seems too great. He neglects the opportunity. We ask every reader to send us a short contribution. It may be on a postal card. Don't let the good ideas escape. Anything, everything, is welcome. This is an original plan and is a success. It is a "Mutual Benefit Club." Address American Poultry Journal, 325 Dearborn St., Chicago, Ill.

J. B. Kimenour, Belvidere, N. J.—I think the only fair and honorable way to present to the public cuts of birds is to have half-tones made from photographs only. Doctored cuts are fully as bad as private scoring.

D. J. Lambert, Apponaug, R. I.—Market eggs are selling for 40c a dozen at wholesale at Providence, R. I., and are scarce at that. New England poultry exhibitions offer good money prizes on dressed poultry, and eggs—in some cases as high as $4 a pair on poultry.

Ezra Cornell, Ithaca, N. Y. — Five square feet of floor-space, with 100 square feet of run per fowl, would seem ample. That is, a 12x20 foot house with a 40x130 foot run would seem enough room for 50 fowls. But my experience shows that 30 fowls in this space will yield a larger profit. Fowls properly yarded pay better than when running at large.

H. S. Godfrey, Rockford, Ill.—Make the roosts for Asiatics not more than 12 inches from the floor. Use 2 x 4 scantling, with the 4-inch side up. Bevel the edges.

Grover & Grover, Concord, Mich.—Is it just to handicap solid colored birds 1 and 1 ½ points in sweepstakes? Many years' experience has taught us to believe that it is as easy to breed good parti-colored birds as it is to breed pure white ones, without any tinge of brass and with rich yellow legs, as good glossy black without blue bars, or a rich golden buff throughout without white or black. What say you, brother fanciers?

Joe Farmer, Flushing, O.—After 25 years of experience in caring for poultry, I have found mangel wurtzel beets the very best of all green feed for winter, except apples and cut clover. Cut the beets in halves and lay them in the feed trough. Don't cook them. An immense amount can be grown on a small patch.

Charles P. Nelson, Danville, Ill.—Green cut bone is certainly an excellent ration, when properly fed. The danger is in overdoing it. Two ounces twice a week for each fowl is the best ration, in my experience.

"A Krank," Washington, Tenn.—Year before last I tried chickens and a garden. I started the latter very early and got so far ahead of my chicks that they did it no injury, excepting the tomatoes in the autumn. But last year my chicks got out ahead of my garden. Next year I shall remember this lesson.

A. T. McClanahan, Forrest, Ill.—A close board fence makes a good windbreak for exposed poultry. Skim-milk is a profitable poultry food. Oats are one of the best single-grain foods for laying hens. When answering an advertisement, always mention the paper you saw the ad in.

H. F. Ballard, Chenoa, Ill.—I notice there are several roup cures advertised which guarantee to cure. At the same time, and in the same journals, I see that prominent breeders say the best thing to do is to kill off the flock. They seem to think that the only remedy. I am inclined to agree with them.

Frank W. McKenzie, Concord, Mich., judged the Petoskey, Mich., show Dec. 13, 14. A. M. Coburn was the head push.

The Bennett & Millett Co., Gouverneur, N. Y.—Small things are the most easily forgotten. Shut the ventilators at night; also all small doors that open to the outside. Do not allow the drinking water to be frozen; above all, do not give hens snow instead of water. Eggs are worth from 35c to 40c a dozen in Boston. There is money in them at that price.

Harry Hill, Havana, Ill.—I consider roup a constitutional disease, and would not allow a fowl on my place that had the roup, if I knew it. Roup cures are of no account. The only successful treatment is with the hatchet. Preventives and healthy foundation stock are necessary.

H. C. Clark, sec. Von Culin Inc. Co., Delaware City, Del.—My opinion is that the best breed of fowls to raise, for all purposes, are White Plymouth Rock hens and White Leghorn cocks. These females insure fast-growing, plump, tender bodies, and Leghorn blood gives the fertility to eggs. White fowls obviate the objection to black pin-feathers in young birds.

E. A. Phelps, Austinburg, Ohio.—Healthy poultry need no tonics, condition powders, or so-called egg foods. Good, clean food in variety, properly fed; clean, light, warm quarters, will insure satisfactory results, in both eggs and flesh.

A free show was held at Humansville, Mo., Dec. 8 to 10, with Frank Robertson as judge. No entry fee was charged and the care was given for nothing. A nominal charge was made for scoring. Only ribbon awards were made. This is a way to work up local interest.

Mrs. Lillie C. Anderson, Farmington, Mo.—To increase egg production there is nothing I have tried with as good results as green cut bone, warm and sunny houses, and warmed water for drinking. This time of year one must watch the ventilation and see that fowls do not crowd on the perches. Avoid colds.

F. B. Zimmer, of Gloversville, N. Y., will judge the Bantam class at the Madison Square show.

Not less than 175 poultry shows will be held this season in the United States and Canada.

Thos. F. Rigg, Iowa Falls, Ia.—Unthreshed millet straw is the best of all scratch material for confined birds in winter. Millet seed is small and the fowls must of necessity constantly work to find it. It is also a good egg-producing food.

The International Poultry Journal has been established at St. Petersburg, Russia, by Imperial permission. The new journal is under the editorial direction of Alexis Ossipoff, 31 Wiborgskoe Chaussee. This gentleman has long been a patron of American Poultry Journal and we have had numerous transactions with him, to our entire satisfaction. The Russian magazine will be printed in four languages. The price is 11 shillings, English money.

A. A. Gray, Redwood Falls, Minn.—This is the time of year when our birds require constant attention. With the temperature 15 degrees below zero outside, the buildings must be kept warm to insure immunity from frostbites. Houses must be kept clean at all times.

W. H. Scovil, East Lebanon, Maine.—If the managers of fall fairs would place a neat ribbon on each winning coop instead of a bit of cheap pasteboard, they would soon find a marked increase in the number of entries. Not one exhibitor in ten cares enough for these pasteboards to carry them home, while a ribbon could be preserved as a souvenir of victory. There is no reason why this should not be done, as the entry fee is higher than on any other class of live stock.

Charles J. Stuckey, Mechanicsburg, Ohio.—When writing to breeders for information and prices, correspondents should say just what they desire to buy—naming breed and quality; whether good, plain, thoroughbred stock or fancy show birds; the sex and number of birds. Too many merely write: "Send catalogue and prices." Readers of The Journal will find it to their advantage to try this plan.

J. A. Bennett & Sons, Gouverneur, N. Y.—Now is the time for the poultryman to gather together his breeding stock and get them in good condition for the spring breeding. A healthy, vigorous breeding bird is the poultryman's pride.

Israel Root, Bloomington, Ill.—There is no one thing that has caused more failures in the poultry business, more trouble, more sickness and death in the yards than delay in doing at once what should be done today. If you would succeed, be on time in ordering eggs or stock; in ordering and using preventives of disease before the cases become fatal; in getting coops and houses ready; in getting stock in show condition; in entering and shipping birds; and in doing what is necessary to be done at the right moment.

W. M. Hughes, Portsmouth, R. I.—One time, when breeding Brown Leghorns a well known fancier tried to sell me a bird which I believed would be disqualified for white in wing. The owner said he believed the bird would win first. Sure enough it did. Now, was the joke on the owner or on the judge? (We should say the joke was on "O. K. Billy." But we should like to know who plucked that feather in a way to escape a judge's eye.—Ed.)

Henn & Gabler are in business on Madison street, Chicago. The change of a vowel would send them into the poultry ranks without a question.

The meeting of the National Bantam Association will be held at Madison Square Garden, New York, February 3, at 7:30 p. m. A list of premiums can be obtained by addressing E. Latham, Flatbush, L. I., N. Y.

W. N. Smith, Ohio, Ill., won, at La Moille and Princeton shows this year, 18 firsts out of a possible 22, and 20 seconds, in strong classes of B. and W. P. Rocks and W. Wyandottes.

Stock For Sale from PRIZE WINNERS at the Chicago Shows of 1897 and 1898.

Barred, White and Buff Plymouth Rocks, Silver Laced, Golden, Buff and White Wyandottes, Black Langshans, W. F. B. Spanish, Black Minorcas, Buff Leghorns, Light and Dark Brahmas, Buff and Partridge Cochins, Houdans, Hamburgs, Golden Polish, C. I. Games, Golden Sebright, B B. Red Game, Golden Duckwing Game Bantams, Pekin Ducks, Toulouse Geese, M. B. Turkeys. Write for catalogue.

J. I. DeLancey, Elgin, Ill.

FRESH EGGS THIRTY CENTS A DOZEN

! ARE YOUR HENS LAYING?

A little OVAMEAD in the food once a day will start them to laying in a very short time. One egg now is worth two in the spring. Thousands now use it, and it is from their yards fresh eggs are gathered the winter through. OVAMEAD is a GREAT EGG PRODUCER; it does its work well on any hen of any breed on earth. Enough for 10 fowls for 3 months, 50 cts. postpaid; trial size 25 cts. postpaid. **Ovamead Mfg. Co , Box 44, Rochester, N. Y.**

LIGHT BRAHMAS and BARRED PLY. ROCKS.

At North Missouri Show—my only exhibit—sent six Light Brahmas and received 2d pullet, 4th hen and 3d pen. Have 40 fine Light Brahma cockerels and 10 pullets, with 7 Barred Plymouth Rock cockerels, for sale. Prices reasonable. Satisfaction guaranteed. Write wants.

REV. W. H. HORMEL, Rutledge, Mo.

Winners.

Our birds won the best prizes wherever shown during the past winter and the superior matings in our breeding yards this season have produced stock that can and will win at the coming winter shows and fall fairs. Do you want such stock? LARGEST POULTRY PLANT in Ohio. This country's best Turkeys, Geese, Ducks, Chickens, Guineas, Peafowl, etc., etc., etc. Address

CHAS. McCLAVE, 416 Ashland st., New London, Ohio.

Buy Your Poultry Supplies from

RHODES, He's the Man

that will save you money. **Large Stock, Prompt Shipments, Low Freight Rates.** Illustrated catalogue sent free if you mention American Poultry Journal.

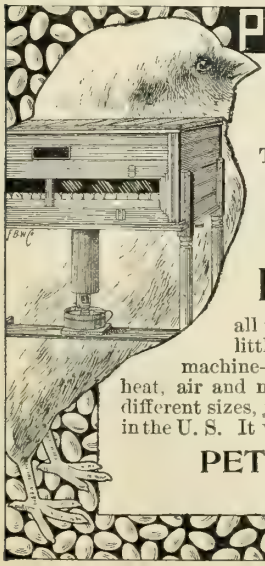
J. T. RHODES, box 689, Leechburg, Pa.

First Prize Buff Leghorn Cock, New York, '98.

S-c. White Leghorns and Buff Leghorns.

My Buff Leghorns have for the past two years been awarded the best prize at the great New York show, i. e., first on breeding pen. I have a grand lot of chicks at reasonable prices, sired by such famous males as headed the first prize pen at New York in '97 and the first prize pen in '98 and the first prize cock (see cut) in '98. My S-c. W. Leghorns have won high distinction at New York for the past five years. I can furnish almost anything you might want in either variety. CATALOGUE.

EZRA CORNELL, Ithaca, N. Y.



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NO LICE. NO DISEASE.
NO SPOILED EGGS.

There is great profit in the poultry business if the losses can be reduced to a minimum. With the

PETALUMA
Incubator and Brooder

all the fertile eggs will he hatched, and the loss of little chicks practically eliminated. It is a **hot air** machine—**the best in the world**—and the regulation of heat, air and moisture have been proven to be perfect. Made in different sizes, from 50 egg up. **We pay the freight** anywhere in the U. S. It will pay you to get **free catalogue** before you buy.

PETALUMA INCUBATOR CO.
Box 222, PETALUMA, CAL.

REV. JOHN HUGHES, Table Grove, Ill.,

BREEDS FIRST-CLASS

White Plymouth Rocks,

(Empire Strain)

Barred Ply. Rocks and Buff Cochins.

A few very fine W. P. Rock cockerels for sale after first of November.

HOUDANS—Exclusively.

YOUNG BIRDS FOR SALE.

Eggs in season $2 per 15. Eggs after June 1st $1 per 15. I have the Chicago winners as well as the Michigan winners. On July 13 the American Fancier of Johnstown, N. Y., will issue a special edition on the Houdan, copy furnished by the Am. Houdan Club. If you are interested in this noble bird secure a copy.

FRANK W. McKENZIE, Concord, Mich.

WE DON'T RAISE A TRING

but Black Minorcas—Northup strain.

Biggest layers of biggest eggs; biggest winners of biggest prizes. Stock **SOLD ON ITS MERITS.** Eggs **THAT WILL HATCH**, 13, $2; 45, $5. We also "raise" dogs, **DOG GONED GOOD DOGS**, Pedigreed Scottish Terriers at $5 and up.

CORN BELT MINORCA YARDS,
A. A. Christie, Mgr., Smithland, Iowa.

WHITE WYANDOTTES,

A SPECIALTY.

As I will breed nothing but White Wyandottes hereafter, will sell all my Northup S-c. B. Minorcas, Buff Pekin Bantams and Barred Rocks at very low prices. White Wyandottes for sale also. Enclse stamp when writing.

MRS. M. F. MILLER, Shepherd, Pike Co., Ill.

POLISH Buff Laced and White-Crested Black.

If you are looking for some good show or breeding birds write me. I can sell you good stock reasonable.

AT MT. GRETNA, PA., '98—16 birds entered, won 7 firsts, 6 seconds, 2 thirds, in hot competition. Send for price list.

D. Lincoln Orr, Box 3, Orr's Mills, N. Y.

WHITMAN BROS.,
box 2, REDWOOD FALLS, MINN.

Breeders of prize-winning Light Brahmas, Buff Cochins, Blk. Langshans, Barred Plymouth Rocks and Rose Comb Brown Leghorns.—Choice stock for sale. Write for prices. Eggs for hatching from prize matings $2 00 per 13. Prize stock, prompt service and satisfaction to all. Send for free *Circular*.

S. L. WYANDOTTES

My young stock is the finest yet produced. Correspondence solicited.

A. L. McBRIDE,
812 Delaware st. **Kansas City, Mo.**

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23 Years a Breeder of

BARRED ROCKS.

Have won every winter on birds of my own breeding. 500 choice chicks now ready to sell. Circular fr e. Mention American Poultry Journal.

JOE FARMER,
Flushing, Belmont Co., Ohio.

Old Honesty

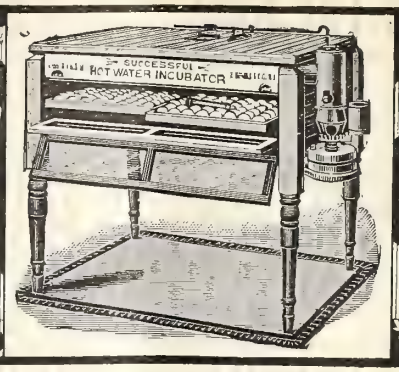
Poultry Yards,

Headquarters for

Houdans,
White Ply. Rocks,
White Wyandots,
and
Barred P. Rocks

of the finest quality. Both old and young stock for sale at prices right. Satisfaction always given

A. J. BARGAHISER, Prop., Rockford, Ohio.



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The Poultry Raising Fraternity know our Incubators and Brooders By that Name.

We manufacture Standard Machines only. Sizes from 54 to 800.
PRICES FROM $8.50 to $68.

Remember It was our Incubators that **Hatched over 3500 chicks at the Omaha Exposition.**

We Furnish

Blue Print Scale Working

Drawings

for a Modern and Practical Poultry or Brooder House,
showing elevation and structure design with lumber list attached.
Price $1.00 each.

Before Investing.....
in a New Machine, see description of our **Little Crescent Hatcher.**

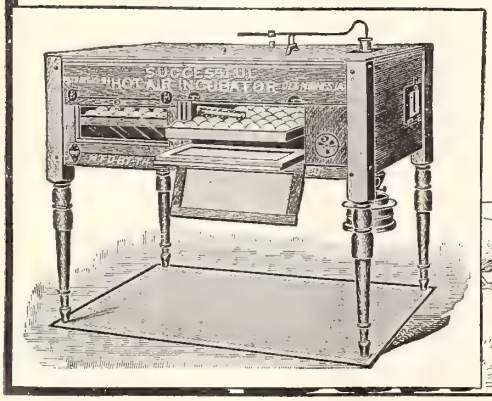
Remember!

We were the ONLY Incubator Company represented at the
OMAHA EXPOSITION
who received a diploma worded
"FOR HIGHEST AWARDS"
Others received diplomas for Gold medal.

Every Poultryman

should make his own **Liquid Lice Killer.** We sell the **Formula for 50c.** and guarantee it equal to any made. Mailed to any address for 25 2c. stamps.

Our Poulter's Guide
contains more up-to-date poultry information than any other book ever sold at double the price. 112 pages.
Post Paid, 15 cents.



Send for our 150-page catalogue
It contains valuable information that every poultryman should have. We send it for **only 6c.** in stamps.

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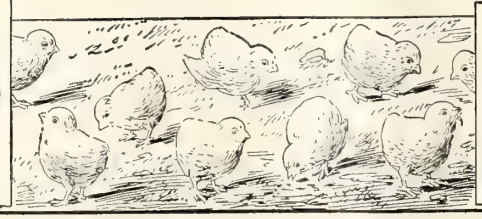
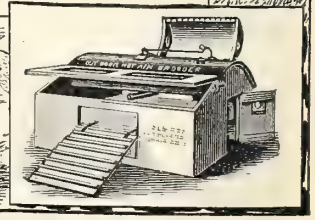
Box 1, Des Moines, Iowa.





A NEW BOOK ON POULTRY.

Bauscher's Mammoth New 1899 Poultry Book worth $25.00 to any one.

Sent postpaid to any address, ***IF YOR WRITE NOW, for*** **Only 15 cts.**

IT IS A BEAUTY.

With a fine lithograph plate of Fowls in their natural colors.

This alone is worth many times the price of the book. It is the finest, largest and **the most complete book out for 1899.**

It Tells You Everything

that you may want to know about poultry, and how to make big money with them. It contains over 175 of the latest illustrations, hundreds of **valuable recipes,** questions and answers, and shows a bird's eye view of the largest and best equipped poultry farm, with the most substantial buildings in the country. **It tells how to make hens lay wonderfully.** It gives descriptions of 45 of the leading varieties of thoroughbred poultry. Prices the lowest. Contains first prize winnings of our stock wherever shown. **Write at once,** enclosing 15 cents for one of these mammoth books before all are sold.

A PEN OF BAUSHER'S PRIZE WINNING LIGHT BRAHMAS.

300 choice cockerels for sale at $2.50 to $5 each; all farm raised; are large, vigorous and healthy stock. We have been 1st prize winners on our large Ideal Light Brahmas two years in succession. Don't overlook in getting one of our 1899 Poultry Guides as it will be worth many dollars to all who receive one.

JOHN BAUSCHER, Box 130, Freeport, Ill.

HAWKINS' Royal Blue Strain

If You Want
THE BEST
at Fair Prices
WRITE ME.

Plymouth Rocks
Barred, White and Buff.

Wyandottes
Silver and White.

Have won more prizes at the leading shows of America and England than all others. The product of my 1898 matings is superior to that of previous years.

AT THE GREAT NATIONAL SHOW, WASHINGTON, D. C., DEC., 1897, In hot competition with over 300 birds of these varieties, the best that could be found, regardless of price, I won ***45 regular and special prizes on 39 entries,*** including First Prize on Breeding Pen in each variety; Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the Show (Bantams excluded), and this on my First Prize Barred P. Rock Cockerel. My winning White Wyandotte cock was pronounced by the judges to be the BEST THEY HAD EVER SEEN. I won twice as many first prizes as all other exhibitors of these varieties. My customers are winning all over the country.

Hundreds of ***Choice Exhibition and Breeding Birds*** at honest prices. Catalogue of America's finest P. Rocks and Wyandottes, free.

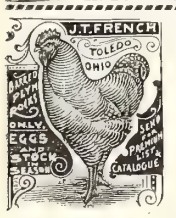
A. C. HAWKINS, Lock Box 25, Lancaster, Mass.

Black Minorcas

Young stock for sale. Also a few B. P. Rock cockerels. Write for prices.

J. W. BELL, Chetek, Wis.

CLARKE'S FAMOUS
TRANS-ATLANTICS.
Have Fought under Four Flags
And Never Met their Equals Yet
Write for circular. Mention this paper.
H. P. CLARKE, Indianapolis, Ind.

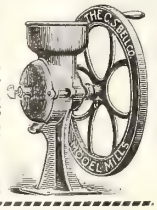


13 Prizes on 15 Entries

Won on my Barred Plymouth Rocks at Toledo, Adrian and Hillsdale last fall. Choice stock for sale on approval. Eggs in season. Five breeding yards to select from.

Address,
J. T. FRENCH,
838 Urbana st., Toledo, O.

The Model Mill



A hand mill for grinding grain, dry bones, shells, etc, for feeding chickens, etc. 3 sizes, wt. 20, 34 and 62 lbs. The most **rapid grinding, most durable** and **cheapest mill** made. If your dealer doesn't keep it address **THE C. S. BELL CO.**
Hillsboro, Ohio, U. S. A.

Highland Poultry and Fruit Farm,

The Largest and Best Equipped Poultry Ranch in Central Michigan.

No better stock in the West. Light Brahmas, B. P. Rocks, S-c. Buff Leghorns and W. C. B. Polish. Stock for sale. Eggs in season. Send stamp for my egg record.

N. SCHWEINFURTH, Jackson, Mich.

Finest English and American Cochins.

White, Black, Buff and Partridge.

Prize winners for 16 years at leading western shows. Eggs, balance of the season at $2 per 13; three sittings $5. Two-thirds of my old breeders for sale after May 1st at half price.

DR. H. F. BALLARD,
Chenoa, Ill.

The Daisy and Crown BONE CUTTERS.

Best in the World.
The $5.00
Hand Bone, Shell and Corn Mill.
THE GEM CLOVER CUTTER.
Send for circulars and testimonials.
WILSON BROS., Easton, Pa.

HUNT BROS. PARAGON STRAIN,

Bred in Line for 16 Years.

Choice Breeding Birds For Sale. **LANGSHANS**

Prices low for quality. Eggs in season $5 per sitting. Satisfaction guaranteed.

HUNT BROS., Greenwood, Ill.

The Best Way - -

TO MAKE SURE OF THAT BLUE RIBBON
—**WRITE TO GODFREY**

HIS LIGHT BRAHMAS take the cream of prizes wherever they are exhibited. Many a bird from his yards will be awarded first honors at the coming shows. Do you want that kind.

Breeders $2.50 to $5.00.

Write for exhibition birds.

H. S. GODFREY, Rockford, Ill.

BUFF WYANDOTTES—EXCLUSIVELY.—Write for descriptive cir., price list and show record.

ARLINGTON POULTRY FARM,
M. F. NORRIS, Proprietor. Eggs, $3 per 13. LEXINGTON. KY.

Weishar's Buff Plymouth Rocks.

At Northern Ill., Agricultural Assn., Freeport, 1898, I won 1st and 2d prizes on fowls; 1st and 2d prizes on chicks; 1st and 2d prizes on breeding pen (in a class of 8 other pens). Theo. Hewes, judge.

200 Fowls and Chicks For Sale.

Exclusive breeder of America's best strain Buff Plymouth Rocks. Mention American Poultry Journal.

W. H. WEISHAR, 112 Stephenson st., Freeport, Ill.

Our Birds | White Wyandottes Are Stayers.

They win out at the hottest of shows, and have during all this season so far, in our customer's hands. I have breeders in old and young. A surplus of choice cockerels that you should inquire about.

ARTHUR G. DUSTON,
"The White Wyandotte Man,"
☞ Box 1020. Marlboro, Mass.

American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

VOL. 30. CHICAGO, ILL., JANUARY, 1899. NO. 1.

GREAT CHICAGO POULTRY SHOW.

Fanciers from the East and West Join in Making this the Leading Event of the Year.

Fine Display of Incubators and Poultry Yard Appliances will be Made---Largest Exhibit of Poultry, Pigeons and Pet Stock that has ever been undertaken by the Association.

We urge all breeders to aid in making the Chicago show a success.

The questions raised by us in criticism of the conduct of two of the offices are matters appertaining solely to the local management. We desire to see the best show ever held in the West.

American Poultry Journal has no private ends to gain in this affair; we propose to stand between the association and any official who does not do his duty. But by demanding correct conduct we act only in the interest of the poultry fraternity.

The National Fanciers' Association of Chicago is not an organization for personal profit. It must be managed strictly on that plan.

The poultrymen of this country will find this opportunity a beneficial one to themselves and the cause we all are seeking to maintain.

The Premium List.

Editor American Poultry Journal:

Our premium list is in press; will be out tomorrow. Will send you a package of them. There have been added to our list of judges Mr. Ben Myers, of Crawfordsville, Ind.; Mr. Whitman, of Chicago; Mr. Schoenhausen, of Chicago, and Mr. Thomas Corey, of Chicago.

We have added a cat department, of which Miss Jennie Van Allen, of Ravenswood, is manager, and Mrs. Leland Norton, judge. Cats will be received for exhibition any time up to Thursday morning 8 o'clock.

The following specialty clubs meet with us:

American Buff Plymouth Club, club room Tattersall's building, Wednesday, January 11, 2 p. m.

National Exhibition Game and Game Bantam Club, January 12.

Western Bantam Breeders' Association, January 13, 9 a. m.

American White Plymouth Club, Tattersall's, Wednesday, January 11.

The American Houdan Club, Tattersall's, January 11, 10 a. m.

American Langshan Club and National Bronze Turkey Club will hold meetings during the show.

American Magpie Club, January 13, 7 p. m., Tattersall's.

We are building uniform coops of a capacity of 3,000 specimens of poultry, 1,500 of pigeons; also some fine exhibition coops for both poultry and pigeons. As far as I know, everything is going along as well as could be expected, with the exception of the delay in issuing premium lists. It has been very unfortunate that Mr. Fuller was obliged to be absent at this time. I must say, though, in justice to him, he is in no way responsible for delay in premium lists. That matter was taken out of his hands a long time ago by our board of directors, yet I recollect he advised it should not be issued until about two weeks before opening of show.

FRED L. KIMMEY.

The Game Club Specials.

The Chicago show, January 9-14, is going to be a "rouser," and the Game men are bound to keep up their end.

To stimulate interest the Game club offers $50 in cash specials apportioned as follows:

On Exhibition Games.—Five dollars for the highest scoring and $2.50 for the second highest scoring cock, cockerel, hen and pullet of any variety.

Five dollars for the five birds of one variety scoring the largest total number of points and owned by one exhibitor, no bird scoring under 90 points to compete.

On Game Bantams.—Five dollars each on the highest scoring male and female of any variety.

Five dollars for the five birds of one variety scoring the largest total number of points and owned by one exhibitor, no bird scoring under 90 points to compete.

The above specials can be competed for only by members of this club.

In addition to the regular club specials, D. C. Buckstaff, of Oshkosh, Wis., offers a $10 chair for the largest exhibit of Exhibition Games of one variety scoring not less than 90 points each and owned by one exhibitor.

A. E. Blunck, of Johnstown, N. Y., offers $2.50 each on the highest scoring male and female Birchen Game Bantams.

Competition for the Buckstaff and Blunck specials is open to all.

It is hoped that the Game breeders will be at the show in full force, bringing their birds with them; for the regular prizes offered by the show management, and the specials herein enumerated, certainly make it an object to exhibit.

It will be a splendid opportunity for Game men to get acquainted and every one not now a member should come prepared to join the club and help the good cause forward.

The annual meeting of the club will

be held in the show building Thursday, January 13th, at 8 p. m. All members are requested to be present to help transact the regular business of the club, and to confer regarding its future welfare.

J. C. Pratt, Sec.

THE COMING WESTERN GAME SHOW.

The National Exhibition Game and Game Bantam Club will hold its first annual meeting and exhibition at Chicago, January 9th to 14th. B. N. Pierce, of Indianapolis, has been selected to judge the Games, and W. E. Walden, of Watervliet, Mich., will act if for any reason Mr. Pierce should not be able to. Thomas Corrie, of Chicago, and A. E. Brown, of Morgan Park, Ill., will judge Game Bantams, Mr. Brown passing on the merits of the Duckwings and Brown Reds. These men are all well and favorably known as judges or breeders and score cards given by them will be valuable. A large exhibit is confidently expected, and much work is being done toward that end. The promoters of this club were instrumental last year in bringing out the largest and best class of Games and Game Bantams ever seen in the West, and the efforts to cause a satisfactory Game exhibit were so successful, the classes were so attractive, and the interest and enthusiasm so marked, that this organization was the logical outcome. All breeders of these varieties should hasten to join this club and lend their active aid that it may become one of the strongest of its kind in the country.

CATS AT CHICAGO SHOW.

Editor American Poultry Journal.

And now for the great Chicago show—poultry, pigeons, pet stock and cats. Enough has already been said about the poultry, etc., and I wish to say something about the cat display. Some of these that were exhibited at the recent show of the Chicago Cat Club were really astounding, and many of the exhibitors have promised to make entries for our show, so that the display will most likely be one of the features of the show. But few people are posted as to the wonderful progress that has been made during recent years in the breeding of cats. A visit to this part of the show alone will be well worth the admission fee. An effort is being made to have on exhibition the only domesticated wild cat in the world—Bromo Seltzer. He is a big fellow, weighing about fifty pounds.

This show, of course, will be held under the auspices of the National Fanciers' Association of Chicago and the Illinois State Poultry Association. The headquarters of the National is at Chicago, while those of the State are nowhere—it has no home—and it has occurred to me that the two associations could be of far more benefit to the poultry interests of this state if they would combine and have headquarters here at Chicago for the purpose of holding a rousing big show every winter. My idea is for the two to join forces and have members composed of Illinois state breeders only, and no one allowed to join who is not a fancier. The "boys" could then petition the state for a $3,000.00 appropriation and have this money used for the benefit of Illinois exhibitors only. Ample provision could be made for outside exhibitors from some other fund. Another year will probably see erected in Chicago one of the largest and finest exhibition buildings in the world. It is intended to spend $2,000,000.00 on it, and when finished I doubt if there is a city in the Union that will be able to hold such a large show.

Now, "boys," think the matter over and remember the old saying, "In union there is strength," and I am quite sure it will be so in this case.

Alfred Doyle.

Morgan Park, Ill.

WHITE PLYMOUTH ROCKS AT CHICAGO.

The American White Plymouth Rock Club have decided to hold their meeting at Chicago, January 9 to 14. We have been offered a $25 Silver Cup by the management and they have also extended to the Club every courtesy. The President of the Club has also donated an elegant cup which will be awarded on best pen and there will be other valuable premiums. It is hoped that all White Rock breeders who have the interest of the breed at heart will join the Club at once and help to make the White Rock aisle at Chicago the largest and best in the show.

Frank Heck, Sec., New Albany, Ind.

AMERICAN HOUDAN CLUB.

The annual meeting of the American Houdan Club will be held at Chicago, January 10, 1899, at 10 a. m. I have promised much in the name of the club, and I hope the breeders of Houdans will aid me in carrying out these promises.

Thos. F. Riggs, Sec.,

Iowa Falls, Iowa.

SHOW REPORTS.

Unless the postoffice address of prize-winners and the score of the birds are given, we cannot print show reports.

Comments and Criticisms on Local Management of the Show.

American Poultry Journal enters a protest against the action of the executive board of the National Fanciers' Association of Chicago.

Owing to certain rumors regarding the policy of the directors of the proposed show and our protest thereat, we were invited to meet the board of directors and discuss those matters. During this conference Dr. Lowell, the general manager of the show, said in substance that neither he nor any member of the association was working with an expectation of individual pecuniary profit, but solely in the interest of the association. Yet within an hour from that time he admitted that he himself, President Kimmey, and Secretary Fuller had been chosen to sell the space and advertising concession at the show, for which they were to receive, in effect, one-half of the money thus derived. These statements were so surprising to us that we deemed it best to bring the subject up for consideration at the regular meeting of the association.

The monthly meeting of the association was held December 7. We laid the matter before this body and asked by what authority three members of the association were to divide the concession receipts with the association. A short time before this President Kimmey had stated that the revenues from these privileges would probably amount to $2,000. On that basis, we estimated that the three directors would receive $1,000 for their services in this matter alone.

President Kimmey interrupted our remarks to say that the authority to appoint a soliciting committee was vested in him by the board last September, and that he had named the general manager and the secretary. At their suggestion the president had become the third member.

It was then developed that the agreement between these three men and the board (of which they are members) was: The first $300 was to go to the association; the second $300 to the committee, and all in excess of $600 was to be equally divided. The manager predicted at that time that $1,500 could be raised; the secretary thought $900 the extreme limit.

The point we made was this: Since the object of the association is avowedly for the development of the poultry interests in Illinois and the country; since all members, the poultry press, and the fraternity at large, contribute without expectation of money compensation, why should this excessive percentage be granted these three members?

Other men work for nothing. The poultry press gives pages of space to free advertising of the show. Why, then, should this one—and the most profitable—item of labor be set apart for the pecuniary benefit of those men who, as Dr. Lowell has declared, were working gratuitously?

Secretary Fuller took the floor for reply. He is a lawyer. He described the condition in which the association was after the last show; he told how he was urged to assume the duties of his office; he explained how valuable his time was, and he deplored the introduction of a "discordant element" into the association. He attempted to justify his acceptance of this money on the score of the value of his time to himself. He attributed to us a motive of "personal pique."

Manager Lowell next spoke. He compared the questioning of this policy of division to the upsetting of a milk pail by a cow. He, too, deplored the publicity; and when we asked him if he had not said he was working with no thought of pecuniary profit to himself, he actually denied having made that statement!

The president was the last of the three to offer an argument. He also is a lawyer. He went over the ground, admitting every point we made and pleading justification. As a convincing proof of his own disinterestedness, President Kimmey announced that he had decided to devote his share of the divide to the association. The president is to be commended in this course. His admirable example does not seem to be contagious. Both Mr. Fuller and Dr. Lowell still hold to their respective shares.

Just how much this will be we cannot say. If Mr. Fuller's report is to be taken instead of President Kimmey's (for there are strange contradictions uttered), the pay for "valuable time" will be so relatively small that we are constrained to offer these gentlemen commiserations. They ought not to waste their energies on poultry shows.

It will be noticed that only the three men in interest have spoken. Mr. Pratt, a member of the board, offered an explanation of his vote conferring authority on the president; but the statement was simply that one advertising agent had declined to take the job. The question of excessive compensation was not debated by him.

There was no action taken by the association on the main question. President Kimmey was injudicious enough to say that he did not think the editor of the Journal was "sincere."

This assertion, and Mr. Fuller's allegation of "personal pique," call for a few words of comment. When the National Fanciers' Association of Chicago was projected, American Poultry Journal devoted space and money and "valuable time" to the cause. Two shows have been held. All that could be done by us to work up an interest has been done, not only without expectation of direct recompense, but at an actual money loss.

The three officers of the association deplore the introduction of a "discordant element," which simply asks that all members who do work shall be treated with exact justice. Sometimes lightning from a clear sky is discordant; once we knew a bank teller who thought things were discordant when questions were asked. So you see there are various forms of discord. Certainly we are not "insincere" in asking for an equitable adjustment of pay and work.

The argument was made that the concessions at the last show were only $300. As to the amount, we are in doubt, because at this last meeting the president admitted that, while he had said $300, the truth is that only $120 was collected from concessions and $80 from advertising privileges. Why he should desire to convey the former impression we cannot say. But because only $300, more or less, was taken last year, an excessive dividend should be declared for the canvassers this year!

What are concessions for, unless to benefit the association?

We are not "insincere" in asking this, however lame the reply may be.

Mr. Fuller refused to accept aid in his clerical work of making the show publicly known. He declined (so Mr. Kimmey told us) to allow a committee on publicity to lighten his tasks. Yet he claims that his time is so valuable as to demand this excessive compensation for the one work in which there is a possible personal gain. This can scarcely be regarded as consistent.

Mr. Fuller has not shown good judgment in advertising the show, nor has he demonstrated a fitness for the position of secretary of a poultry association.

The association stands in need of every dollar it can raise. It is in debt. The coming show is problematical in its results. If this sum is taken from the treasury, where it rightfully belongs, and given to individuals in absurd excess of the value of their work, the association may be plunged into debt deeper than before.

The fact that President Kimmey, on sober second thought and with the acumen of a lawyer, deemed it best to return his share of that money to the association is all the proof we need adduce to sustain the rightness of our contention.

If the other two men had not the time to devote to the work freely (Dr. Lowell said he was doing so), then they should have placed the canvass in other hands. Fifteen per cent on $2,000 would be ample compensation for a hired canvasser.

If pay must be given these men, we ask why they accept the services of a ticket-seller without pay? They have done this, and the man will work for nothing. The two well-paid canvassers might at least pay the ticket-seller's board during the week of the show.

We are informed, although not authoritatively, that President Kimmey has done most of the concession work. The two men who retain "their share" are said to have done less than he.

And we can now understand why Chicago men assented to the combination of the Chicago and State associations, by which the State branch got the really desirable end (the poultry) and the Chicago men took the pigeons —and the concessions. Chicago seldom gets left at a bargain, when all the facts are known. There are a number of varieties of pigeons.

Subsequent to the meeting of December 7, Mr. Pratt informed us that President Kimmey had declared, some time in September or October, his intention to hand over his share of the concessions money. This statement we accept as indisputable; but when we spoke in the board meeting in protest against this matter, Mr. Kimmey made no allusion to that decision. We did not know of the proposed division until Mr. Lowell spoke of it then, as we believed, inadvertently. Mr. Kimmey afterward told us that he supposed we knew of his intentions and that he labored under the impression that he had told us of the plan and his decision. But, although Mr. Kimmey has privately apologized for his allegation against us of insincerity, we do not think he will regard that as a sufficient retraction. He will doubtless make the same statement before the association at its next meeting.

We publicly say that we spoke on December 7 while honestly believing Mr. Kimmey was a sudden convert to the policy of refunding his share of the money. We are convinced we were in error, and therefore offer to Mr. Kimmey the simple justice of public apology.

The case against Messrs. Lowell and Fuller is made the stronger by Mr. Kimmey's original position. He has done most of the work of securing concessions. The point, we submit, is obvious.

We understand Mr. Lowell's explana-

tion to be that he alluded to his services as manager when he claimed to be working without compensation. But we fail to see where the line can be drawn between one class of work and another. Either he is getting pay for alleged services, or he is not; and we assert that his services as solicitor are not great enough to justify the payment of $300 or so for that branch of his work.

The board of directors has authority, under Article II. of the By-Laws, to "decide any matter given into their hands in the best interests of the association." Their power to act is unquestioned by us, but their conduct must be in line with "the success of the exhibition."

We have called the attention of the members present at the meeting on December 7 to a policy inimical, as we view it, to "the success of the exhibition." We protest against the act of paying excessive percentages of receipts to any man or number of men. We are working solely to secure the success of the show. Therefore, we suggest that Dr. Lowell and Secretary Fuller voluntarily turn over the money they would otherwise derive from the concessions.

If they decline to follow President Kimmey's example, we further suggest that the association, in its meeting on January 4, take action expressive of its disapproval of the measures adopted by these members of the board. It is too late to change the By-Laws before the show is held. The appeal must be made to these men in the form of a request.

If the superintendent and secretary persist in going into the show room with this mistake unrectified, they cannot hope to enjoy the fullest degree of friendliness from the members of the association to whom this statement will come now as a revelation.

As to "personal pique," we say: The committee on concessions, or the board itself, decided to exclude publishers of poultry papers from the floor of the show, on the ground that they "made nuisances" of themselves. They were not nuisances while their space was needed for free advertising of the show. Their character was changed suddenly when it came to getting back some of the reward of industry.

We resented this, in the name of the seventy poultry papers of America; and we were not insincere in that advocacy of our common cause. We asked only for a fair and equal opportunity.

But the committee on concessions at a Chicago show, where American Poultry Journal had declined the honor of being named the "official organ" of the association, and has done all work

LIGHT BRAHMAS,

Bred and owned by Rev. W. H. Hormel, Rutledge, Mo. Pullet scores 92½, with cut of two for weight. She will soon reach Standard weight.

within our power willingly and gratuitously, is forced to pay $25 for a booth at the show or remain in the street!

To add to the insolence of treatment, the manager of the show offered to sell us for one cent an equal space with that taken by an outside paper at $25, the manager proposing to pay the remaining $24.99 out of his own pocket!

We protested against the innovation on custom, in the name of our many brothers. If one paper takes a booth at $25 and the added cost of maintaining the booth, the smaller or more remote papers are practically excluded. We would not agree to any plan that gave us an opportunity to urge our business to the exclusion of other papers. There is a question of courtesy involved, as the local journal, which is akin to that of hosts to guests.

Moreover, a fee of $25 for a booth is prohibitive except in a few cases. Only a few of us are rich in dollars, however affluent we may be in free space when show managers solicit our aid.

When the board refused to open the doors to all journals in a common booth, we refused to be a party to the inhospitable scheme.

Let it be plainly understood that we do not act in this manner because of any action taken by a poultry publication. On the contrary, we move solely in defense of the rights of publishers and the members of the Chicago association.

We have no doubt the show will be well attended.

During the time of the show we invite our friends to call at our office, 325 Dearborn street.

Comments on a Valuable Article.

By H. B. Geer.

[No recent article in A. P. J. has called forth more comment than J. L. Campbell's, in the December issue, on "Roup as a Blood Disease." Strong protests, and equally strong arguments in support of this theory, have reached us. From among the number the following are selected.—Ed.]

We want to congratulate The Journal, together with the writer, J. L. Campbell, on the latter's article, "Roup as a Blood Disease," in last issue of The Journal. Its value to those who heed it is beyond question. We have been reading poultry journals for fifteen years, but we never before saw such a revelation of light on a dark subject as Mr. Campbell's article pours on that greatest evil of the poultry tribe—roup. It is the greatest drawback to profit in poultry culture, and it is the worst disease that poultry is heir to. Unquestionably it is to the feathered tribe what consumption is to the human family. Its forms are numerous, and its presence, no matter in what shape, indicates the same thing—weak and diseased blood. On the surface it may, for a time, be patched up, apparently healed, and smoothed over. But it is truly, as Mr. Campbell says, in the blood—in the blood—and if it should not again come to the surface in the doctored specimen, it is quite sure to break out in some form or other in succeeding generations.

We have seen roup in all its forms, and have doctored it early and late, by daylight and lamplight, and we are free to admit that it has made us sicker of poultry culture than anything else that has ever confronted us in all our experience.

As a breeder of pure-bred poultry, we are, in the light of facts born of personal experience, inclined to admit that roup is more general in pure-bred poultry than it is in the common sort, and we believe that it comes of the very cause that Mr. Campbell names—fanciers doctoring sick fowls, and later on selling them, or eggs from them. And, there is no shadow of doubt to our mind, but that roup is transmitted in the eggs from a mating, when either the male or female has at any time had the roup,—transmitted to the chickens that are hatched from the eggs that are sent out from such an evil mating. The common chickens that take the roup are left to die, usually, and so the evil terminates, so far as transmission pertains, with the specimen that perishes. In such cases neglect is a blessing in disguise to the common

flock. It serves to stay the ravages of a dreadful disease.

Naturally, pure-bred poultry is hardy, equally as much so as the barn yard stock, and much handsomer, and in some breeds larger and heavier. But, as Mr. Campbell points out, the disposition of the fancier to doctor and patch up hereditary diseases, in otherwise valuable specimens, is working a great injury to the fraternity and injustice to the inexperienced.

Long since we quit doctoring roupy chickens. In fact, we now doctor no chickens at all. Our remedy is the hatchet, and when a chicken on our premises gets sick, off goes its head. It is the best and by far the cheapest remedy in the long run. Besides, it saves a world of vexation and worry. It insures healthy poultry; we try to prevent disease. Every breeder should do that. But we are convinced that to doctor roupy chickens is simply nursing an evil that will sooner or later break out again; and, while we may tide over it for a time in individual cases, yet there is a slow and gradual spreading of the poison, until by and by the whole flock is contaminated, and while we thought we were gaining by our skill in doctoring, we were simply undermining our whole poultry plant.

No, Roup should go, and every chicken that has it should be killed on the manifestation of the very first symptoms of the disease.

We would favor an "Anti-Roup League," having for its purpose the eradication of roup from among pure-bred poultry. Every member of the league to pledge himself to kill from first to last every chicken or fowl on his premises that should manifest the fearful disease in any form whatever.

Down With the Hatchet Doctrine.

By H. C. Austin.

It makes me "tired" to hear a man who professes to be a poultryman advocating the hatchet for sick fowls. I have been raising poultry forty years and have had to take the hatchet to but two birds. I have found roup and canker in its worst form. It was the first I had ever seen; so I killed the two that showed the sickness first. In a few days there were fifty cases. but I succeeded in curing them; and when they were well, they were well.

There was a fine Leghorn cock among them. I used him for three years. He was never again sick, nor did any of his offspring have roup. I did not breed from him until he was well.

The cause of this outbreak of roup, I believe, was my carelessness in their roosting quarters. During some very cold weather the wind blew through cracks in the house.

Roup in fowls is like cold in the human system. If you neglect it, you will soon have a bad case. A true poultryman, when he sees his fowls have cold, will keep them up and give them a little tonic for a few days.

As for a chicken that has once had the roup being unfit to eat, is all "bosh." In less than a year after a fowl is well of such complaint, the disease is entirely out of its system. A cured bird is as good as one that has never had the roup.

A house should be without cracks, without lice, and kept clean. Disinfectant must be used.

Roup.

U. Grant Davidson.

Roup! Experience! Well, maybe I have not had experience with this disease, but for five long years I spent most of my time traveling around my poultry yards with a fowl under one arm and a bottle of medicine in my hand. It was not always the same fowl or the same kind of medicine, either, for my fowls seemed to vie with each other to see which could have it the quickest and hardest, while I tried all the sure cures I read or heard of and some of my own remedies as well.

At last I found the sure cure, used it, and have had no roup in my yards for over three years. I append the recipe at the conclusion of this article, and will guarantee it to cure 100 per cent of the worst cases, without extra charge for guarantee.

Roup, as you all know, is a disease of the glands and mucous membrane of the head and throat of fowls. It appears in various forms at first, but in advanced stages almost always assumes the canker form.

Whenever a fowl catches cold, it is known by one of the following symptoms: Sneezing, rattle of the throat, watery eye or discharge from nostrils. The worse the cold the more prominent the symptom.

It is not necessary that every cold should develop into roup, nor will every form of cold do so, even if neglected; the best way is to take every precautionary measure at once, and not wait for developments.

Sometimes diphtheritic roup makes its appearance in a fowl without any preliminary symptoms, if the fowl has been exposed to severe drafts while on the roost. This is the most violent kind, and should have my remedy applied at once.

You can always tell these cases by the simultaneous appearance of a yellow, cheesy substance of noxious odor in the throat or windpipe. Any other form of cold should be treated at once with vaseline, kerosene and quinine, vaseline for the eyes, kerosene for the throat, and quinine for internal application. Aconite in the drinking water will be sufficient for most ordinary colds.

After roup once gets a foothold in the flock it makes its appearance in the canker form without any symptoms. A fowl to all appearances will be free from disease today, show no symptoms of cold or other disorder, and in three days from now, when you pick it up for examination, give forth a stench that will almost strangle you, so rapid is the progress of this disease in some cases.

Again, you may think you have it eradicated entirely, but sooner or later —usually sooner—it makes it appearance again, and rages with more virulence than ever. At least that was my experience.

I could almost tell after a time the birds that would have it and the time it would appear, for I never raised an unusually fine specimen but it was sure to have the disease and that just about the time that some one wrote inquiring for a bird very like that individual. Many a would-be customer have I turned away because I could not ship a bird that was sick. The disease finally got so bad that most of my fowls had it most of the time. I could not cure them so they would stay cured; that is, not all of them. I had to refuse to sell more and more frequently.

After a time I came to the conclusion that there was no safety from the disease as long as there remained in my yards a single bird that had had the disease or been exposed thereto.

I was in despair. I had a good trade for the time I had been in the business, but to continue longer meant ruin. So I ordered out all my advertisements, sold all my well birds on the market, and gave the sick ones the remedy described below.

Cure.—Take the affected fowl firmly by the legs with the left hand, carry to the wood pile, place neck of fowl carefully across a good solid log. Now seize a good, sharp axe with the right hand, raise a foot or so above your head and bring down with a heavy blow so that the edge of the axe comes in conjunction with the log, right where the neck of the fowl crosses it.

P. S.—The fowl held in right hand and axe in left will do as well if you are left-handed.

To comply with the proposition in my last letter I must necessarily request you to use some of the production of the establishment of the Frank B. White Company, of which I am a part.

In the November number I called attention to the commonality of the advertisements that were appearing in the poultry press. What is true of poultry papers applies with equal force to the agricultural press, and in fact publications in general.

To continuously talk about something your hearer is quite as familiar with as you are is rather monotonous. To say what fifty other advertisers have said does not put you in an advanced position of any of them.

We must get away from the old idea of things. The human mind is susceptible to influence,—varied influences. What will interest one, another will have no concern about.

It is therefore my belief that an advertisement should not be repeated consecutively. Many an advertisement is worthy of a second or even numerous appearances, but when it has once appeared before the public it had better give place to the next speaker. A change of argument will interest a larger number.

All advertisements should be argumentative to a greater or less extent. A pretty good rule to follow is: First, the announcement; next, the proposition; then, the condition.

In the average advertisement there is not room for more than definite statements. Where large space can be utilized a testimonial or explanatory matter is commendable.

Like a good sermon an advertisement should have a clear, well defined text and the text should not be forgotten in the construction of the ad.

Every advertiser should, in my judgment, have his individual ear mark. Trade mark is a good thing, but a similarity of style is equally good.

Individuality should assert itself in the construction of a series of ads, quite as much as in the conduct of business.

Originality is the "pearl of great price." Some things original, though, are an abomination. Don't try to be different unless you can be wisely different.

Here is the style we see so commonly used among poultry advertisers:

SILVER LACED WYANDOTTES OF BEST QUALITY. Good cockerels and pullets for sale. Eggs in season. Price reasonable. Write for circular. John Smith, Jonesville, Indiana.

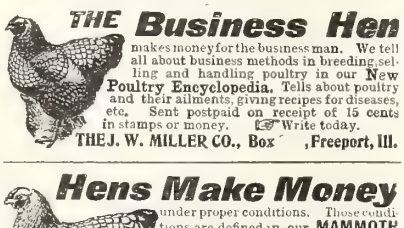
Here is another one:

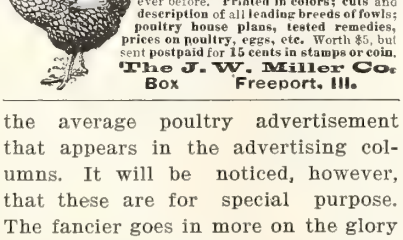
BARRED PLYMOUTH ROCKS.
If you are in need of some very nice Barred Plymouth Rocks I can furnish them at a very low price. Send for circular.
Tim Murphy, Kalamazoo, Michigan.

This style of phraseology is indeed commonality. How would something of this sort do?

POULTRY PROFIT is dependent very largely upon the quality of your stock. Make your land produce you $200 an acre by well stocking your farm with my American Beauty Strain of SILVER LACED WYANDOTTES. We can tell you all about it in our little booklet entitled "MAKE POULTRY PAY." Better send for it today.
TOM JONES, SMITHVILLE, IND.

The advertisement of J. W. Miller Company that at present is being quite extensively used in the poultry and agricultural papers would serve to bring out my idea of what constitutes a good ad. Miller's advertisements for 1897, two of which are here given, also the ads of John Bauscher, Jr., include more life and energy than





the average poultry advertisement that appears in the advertising columns. It will be noticed, however, that these are for special purpose. The fancier goes in more on the glory of the poultry judge or the score of the ancestors of the bird than on the commercial end of the poultry business.

For a general purpose advertisement Miller's Milhook Farm is a good one. It is only fair to state, however, that no individual can write advertisements off-hand that will fit everyone's purpose and do the best service.

It is necessary to know what the advertiser desires to accomplish before any very intelligent advice can be given as to the proper construction of an advertisement. I have attempted to only suggest a few of the general principles. The special considerations which are equally as important, can only be known or applied after the advertising man has a thorough knowledge of the end to be attained.

BIG MONEY IN POULTRY
OUR LARGE '99 POULTRY GUIDE FREE. Explains all. Worth $25. to anyone. The largest and most valuable book ever published. Contains over 180 new illustrations, hundreds of valuable recipes and HOW TO MAKE POULTRY PAY BIG. Send 15c. for mailing and postage.
Box JOHN BAUSCHER, Jr. Freeport, Illinois.

FIRST PRIZE WINNERS
OUR LARGE '99 POULTRY GUIDE FREE. Something entirely new; largest book out. Worth $25. to anyone; tells all about poultry; how to be a winner, how to MAKE BIG MONEY with eggs or stock for market or fancy. Send 15c for mailing and postage.
Box JOHN BAUSCHER, Jr. Freeport, Illinois.

In your next issue I shall hope to say something about auxiliary advertising—catalogues, circulars, etc.; also give my views as to what constitutes a good advertiser and a good advertising solicitor.

December 20, 1898.

EGGS THAT HATCHED.

Dunbarton, Ont., Oct. 19, '98.

A. J. Silberstein, Esq.—Dear Sir:—From eggs bought I had 16 chicks; hen killed ten; skunk took one; balance, five cockerels and my pullet "Nellie." I would not part with her for any money. I could have got $10 for her from four different parties. She is not for sale. She has been a winner at all the shows; also the cockerels, two of which I have sold for $5 each; a third I have offered to sell today. One of the cockerels took third at the Great Industrial, when he was up against birds hatched before February 1; he was hatched April 8th. At every show since he has taken first prize. He, like "Nellie," is not for sale. Your stock is all right and you can put me down on your book for more eggs next year. I assure you I am not doing any kicking. I have pretty well advertised Hartnest Brahmas in this section. Thanking you and wishing you every success, I remain, sincerely yours,
(Signed.) Will Seeker.

INDIANAPOLIS.

By changing the date and taking January 23 to 28, the Indianapolis show comes in line for a circuit of Chicago.

Indianapolis and Louisville a cordial spirit obtains. A fine show will be held by the Indiana State Association. Address Thos. W. Pottage, 109 E. McCarty St., Indianapolis, Ind.

THE MILL WHERE PIONEER CLOVER MEAL IS MADE.

FEEDING CLOVER MEAL.

When the chickens are in clover they return their good treatment by laying an abundance of eggs. In summer time the fields are covered with most succulent food in great abundance, and the production of eggs is largely increased. As a consequence the price goes down. When winter comes the production of eggs decreases as the green food is more difficult to get, and the price of eggs doubles.

It is all in the feed. Make the hen believe it is summer all the time and she will continue to work industriously. Pioneer Clover Meal has most successfully brought about this condition of affairs. A clover diet is the secret of the hen's laying ability in summer, and if this food could be kept within her reach all the year, then the eggs would continue to come. Clover contains the elements of a complete chicken food to a remarkable degree. It is rich in protein, the element of which the interior of the egg is manufactured. It has enough lime in it, in shape to be readily assimilated, for the shell. And lastly, when in good condition, as fresh and fragrant as when it came from the field, it is greatly relished by the poultry. This meal seems also to be peculiarly adapted for making strong, virile eggs that hatch into healthy and growing chicks. It gives them a vitality that carries them through the many dangers incident to chickhood.

Pioneer Clover Meal is made in but one factory in the whole country, and it might be said that as much attention is paid to the preparation of this clover meal as if it were an article of human food. Northern New York is famous for its fine clover fields. In the spring of the year the whole country is fragrant from the perfume of the blossoms. Under ordinary circumstances the clover will turn black when cut for hay. Pioneer Clover Meal is made from bright growing green leaves. Selected fields of it are cut when they are not too ripe. A hay tedder is used to dry the clover as rapidly as possible, and the cured product is put under shelter before the dew or rain has an opportunity to spoil its color or flavor.

Herewith are produced several pictures of scenes connected with the manufacture of this popular article of poultry food. The mill is filled with especially designed machinery for manufacturing the meal, and is supplied with four powerful water wheels which develop an aggregate of 250-horse power. Clover hay is an exceedingly hard substance to grind; but in making the meal a bright, refreshing green color and a delicious odor of new mown hay are always kept in view. This delightful hen food has all the attractive qualities of green grass and it will greatly stimulate the hen's laying habit. The great mill has all the work it can do to turn out the amount of clover meal that is called for, and some little delay has at times been experienced in filling orders. One hundred pounds of the meal contains enough lime for the shells of seventeen and a half dozen eggs and is very rich in protein. It also contains potash, soda, magnesia, sulphur, phosphoric acid, chlorine and iron, and is a better balanced ration than any grain that can be fed. Another advantage in its use is that it is an extremely cheap food. It contains everything in abundance in the best possible form for quick and easy assimilation and will promote and maintain the health of poultry, and produce rapid and vigorous growth in chicks and ducks.

We advise our readers to send to The Bennett & Millett Co., Box 2, W. Gouverneur, New York, for a book and a free sample of the goods. A trial of the meal will demonstrate its fine qualities, but it should be used continuously all winter if the greatest benefit is to come from it.

SHERIDAN'S CONDITION POWDER

It will keep your chickens strong and healthy. It will make young pullets lay early. Worth its weight in gold for moulting hens, and prevents all diseases. It is absolutely pure. Highly concentrated. In quantity costs only a tenth of a cent a day. No other kind like it.

NOTHING ON EARTH WILL MAKE HENS LAY LIKE SHERIDAN'S CONDITION POWDER

Therefore, no matter what kind of food you use, mix with it daily Sheridan's Powder. Otherwise, your profit this fall and winter will be lost when the price for eggs is very high. It assures perfect assimilation of the food elements needed to produce health and form eggs. It is sold by druggists, grocers, feed dealers or by mail.

If you can't get it send to us. Ask first
One pack. 25 cts. five $1. Large 2-lb. can $1.20. Six cans Exp. paid, $5. Sample of BEST POULTRY PAPER sent free.
L. S. JOHNSON & CO., 22 Custom House St., Boston, Mass.

GATHERING THE CLOVER.

Snap shot of some White Plymouth Rock youngsters at four months old that have developed into prize winners. Bred and owned by Frank Heck, Sec'y. and Treas. American White Plymouth Rock Club, New Albany, Ind.

MRS. NELLIE HAWKS.

T. R. THOMPSON.

C. A. NELSON.

D. F. TAYLOR.

W. J. B. WILLIAMS.

W. G. GRIFFITH.

AUSTIN DOWNEY.

S. M. WILLIAMS.

H. S. REED.

MEMBERS AMERICAN WHITE PLYMOUTH ROCK CLUB.

WHAT ADVANTAGES WOULD I DERIVE BY REASON OF MEMBERSHIP IN THE AMERICAN WHITE WHITE PLYMOUTH ROCK CLUB?

The above question in some form is constantly being asked of the secretary by breeders and fanciers of White Plymouth Rocks, and there is perhaps no more appropriate place to consider it than here. There are good reasons, says Secretary Heck in the new catalogue of the White Plymouth Rock Club, why you should join the club and we trust that we can make you acquainted with them in an intelligent and convincing manner. One of the objects for which the club was organized is to "disseminate amongst the people a more thorough knowledge of the merits of these fowls and of the profit and pleasure to be derived from intelligent and systematic breeding of same. The object is being and will continue to be accomplished in various ways, one of which is the issuing of this catalogue. It must therefore be admitted that the club is an agency through which the public is made acquainted with the commodity you have to sell. It is an advertisement so to speak, telling the people that the breed of fowls you handle is the best breed, and giving good and sufficient reasons to substantiate the claim. It should therefore receive your encouragement and support for the reason that it creates a demand for your eggs and stock. This it does to some extent, whether you are a member or not, but the benefit accruing to members is more direct and of a personal nature. The club will place you more prominently before the people who wish to buy what you have to sell. It also guarantees that you will deal fairly and honestly with your customers, and urges the public to deal with you for that reason, and this advantage alone is worth to you many times the cost of membership. We are also enabled to benefit our members financially by securing liberal concessions from the large poultry associations with whom we will hold our annual meetings. This is a very important item to you as an exhibitor, and will be fully explained to members only. We are also perfecting plans whereby we can be of material assistance to you in the matter of advertising contracts. In union there is strength the world over, in the poultry industry as well as other lines of trade, and by reason of this, the club must of necessity be of vital interest to breeders of White Plymouth Rocks. Perhaps you breed only a few fowls for your own pleasure, and if this is the case you should

FRANK HECK.

U. R. FISHEL.

W. S. RUSSELL.

SEAL.

J. S. HOFFMAN.

I. F. SCHOTT.

THE FISHEL CUP.

R. M. GARD.

F. G. HASSELMAN.

L. F. MILLER.

A. W. BLACK.

R. STEPHENSON.

H. R. NORTHUP.

T. EASLEY.

TYPICAL WHITE PLYMOUTH ROCK.

have enough pride in them to lend your assistance to an organization devoted to the breed. There are few breeders of this class, however, but what make an effort to obtain some financial benefit from their fowls, and even though it be small, such breeders are properly classed with those who handle the fowls for pleasure and profit combined, and you therefore join the club for reasons given above. There are some things that the club cannot do for you. It cannot pay you interest on your membership fee, nor pay you cash dividends out of the treasury, and if you are one of the kind that never let loose of a dollar unless you have two to hold for it, the club does not want you as a member, for the chances are 100 to 1 that you are not a success in the poultry business and you would be a detriment to the club. The almighty dollar is a very desirable necessity and no one but an idiot would fail to accumulate in a legitimate manner as many as possible, but there are some things that money cannot buy, and there are a great many people who would be happier if they had less money. It has taken a great deal of time to answer letters that should have been answered in this seemingly blunt manner, and this is the only apology offered for these last remarks. The club earnestly solicits the membership of all reputable breeders of White Plymouth Rocks on the grounds that the benefit accruing therefrom will be mutual.

The rapid growth of this club is evidence that the breeders of White Plymouth Rocks mean business, and that the club will be a power for good in the fraternity. It was organized nine months ago at an inopportune time and under unfavorable conditions, but notwithstanding this fact, it has become the largest poultry specialty club in America, none excepted, and this position has been attained in a remarkably short period of time. The membership list now contains 185 names and is growing daily. The club's offer to various poultry associations of a paid membership as a special premium will add about 150 new names to the list about February 1st, and plans will then be perfected whereby membership will carry with it advantages that have never before been derived by members of specialty clubs. The White Plymouth Rocks have been steadily gaining in popularity, and a glance at the advertising pages of the poultry journals show how extensively they are bred, and is ample testimony that they are being recognized as the best general purpose fowl we have. The club extends an invitation to all breeders of White Rocks to send in their application for membership without further delay, in order that they may enjoy the increased prosperity the coming season that our plans for the near future will insure to all members.

Frank Heck,
Secretary and Treasurer.
New Albany, Ind.

WHITE ROCKS.

Winners at Kalamazoo, Dec. 1898. Stock for sale. Low prices. Member American White Plymouth Rock Club.

T. H. HARRIS, Berne, Ind.

D. F. TAYLOR,

"The White Rock Man."

Thirteen years a breeder of "The Empire Strain" of White Plymouth Rocks and White Wyandottes, the two best utility fowls. Winning more firsts and specials on these two varities than any breeder. Quality regulates prices. Show birds a specialty. No circulars. Eggs, $2 per 13; $5 to $8 per 100, according to season.

D. F. TAYLOR, DeRuyter, N. Y.

WHITE PLYMOUTH ROCKS

EXCLUSIVELY.

Highest Quality.

Eggs from prize winning stock, $2 per 13. A few choice breeding birds for sale. Satisfaction guaranteed.

ALBERT M. BLACK,
Greencastle, Ind.

GROVER & GROVER, Concord, Mich.,

Breeders of strictly first-class

White and Buff Ply. Rocks and Black Javas.

We won at Chicago, Jan., 1898, ten premiums on twelve entries. We are prepared to offer

Exceptional Bargains in Breeding and Exhibition Stock.

Correspondence solicited. Mention this paper.

EMPIRE STRAIN WHITE PLY. ROCKS.
No Culls. Eggs and stock all the year.

B. P. Rocks, Buff Wyandottes, Buff Cochins.

Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

E. M. DURHAM, La Plata, Mo.

WHITE PLYMOUTH ROCKS,

Embden Geese.

Fine cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.

TILLMAN EASLEY,
Box E, Newmarket, Ind.

WHITE PLYMOUTH ROCKS,

If you are in need of some very nice White Plymouth Rocks,

BRED FROM THE SIRE OF **Indian King,**

Write me to-day.

W. M JAMES, Alvan, Ill.

VAN BUREN POULTRY YARDS.

White Plymouth Rocks A SPECIALTY

We also breed and have some good stock of

Barred Ply. Rocks and Pekin Ducks.

Stock for sale. Eggs for hatching in season. Some extra good W. P. Rock cockerels and a few cocks.

J. J. CLEMENT, South Haven, Mich.

MRS. R. McKEE, Washburn, Illinois,

BREEDER OF

White Plymouth Rocks, Golden Wyandottes, M. B. Turkeys & Pekin Ducks.

Choice Stock For Sale.

At Wenona Poultry Show, Dec. 5-10, '98, won on White P. Rocks, 1st and 3d on cockerels, 1st, 3d, 4th on pullets and 1st on breeding pen. On Golden Wyandottes—1st, 2d, 3d on cockerel, 1st, 2d, 3d, 4th on pullets and 1st on breeding pen.

Sec'y and Treas.

Better Write Me To-day

about that stock you want to buy or that order for eggs that you are going to place. My

White Plymouth Rocks

will not disappoint you. They are the right kind and you get the best when you buy from me. I will take pleasure in answering your inquiries.

I have no dissatisfied customers.

FRANK HECK, New Albany, Ind.

SAVE-MONEY AND FEED BY BUYING AND USING OUR **$5.00 FARMER'S FEED COOKERS**

It is low priced, not cheap. Made from the best of cast gray iron with 14 oz. galvanized steel boiler to hold 20 gals. Just the thing for cooking feed for stock, pigs or poultry and heat water for scalding hogs. **Reliable Stock Food Cookers** are equally good but of much larger capacity 25 to 100 gals. We will be glad to quote prices on inquiry. Do not buy until you get our free descriptive circulars. Better write for them at once.

RELIABLE INCUBATOR AND BROODER CO.
Box A 1, Quincy, Illinois.

THE GEORGIA POULTRY FARM,

Home of the Silver Strain, Stay White,

—WHITE PLYMOUTH ROCKS.—

Circular and particulars free. Member W. P. R. Club. H. A. KUHNS, Atlanta, Ga.

WHITE PLYMOUTH ROCKS.

"The General Purpose Fowl,"

Proven by Mr. Frank Heck.

To make room for the White Rock, the Empire Poultry Yards, Mechanicsville, N. Y., will close out last pen of White Minorcas; a pen of 8 yearling hens, headed by a prize winning ckl., at a price too low to print. White Rock and Light Brahma eggs in season. Write.

L. C. NORTON, Mechanicsville, N. Y.

Stay White Plymouth Rox.

Most of the winners at Nebraska State Show last year were from this pen. All score above 92. Eggs, 13 for $1.25. Mammoth Pekin Dux eggs 11 for $1.25.

GEO. OWEN,
Box 32, Wray, Col.

White Plymouth Rocks,

EXCLUSIVELY.

They are extra large
And extremely white,
And as to shape
They are out of sight.

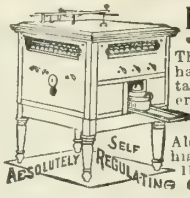
Don't think for a moment
That this is a bluff,
For the judges say
We have got the stuff.

My old cock bird
Is simply a caution,
Ten pounds and a half
With a score in proportion.

Don't be a dunce,
But try us once,
And what we'll do,
Will tickle you.

Eggs from best stock $2.50 for 15. Prices on stock a matter of correspondence.

Dr. W. E. BARTLETT, Belle Plaine, Kans.



INCUBATORS

The OLENTANGY Incubator has proved to be the best. Have taken prize after prize. Brooders only $5.00. Before buying elsewhere, send for free description and testimonials. Also breeder of 40 varieties of high-class poultry. 110 yards. 110 houses. Address G. S. SINGER, Cardington, O.

FISHEL'S

WHITE PLY. ROCKS

. Are Perched on the Top Round of the Ladder.

At Indiana State Fair, '98, in competition with 109 White P. Rocks, the best to be had, I won *First prize on Cock, First prize on hen First and Second prize on Cockerels, First on pen, Second on pullet. A Record unequalled by any White P. Rock breeder in the world.*

400—Birds For Sale—400

If you want White Rocks write me. Circular free. Eggs $5 per 15.

U. R. FISHEL, Box A, Hope, Ind.

Published the first of each month by
MORGAN BATES & CO.

Entered at the postoffice at Chicago, Ill., as mail matter of the second class.

Subscription price 50 cents a year in advance.
When delivered by carrier in Chicago 75 cts. a year in advance.
Payment for AMERICAN POULTRY JOURNAL, when sent by mail, should be made by money order, registered letter, bank draft or express money order.
Stamps can be sent for small amounts.
Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a faver by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

All copy for advertising and manuscripts for publication should reach us not later than the 20th of the month preceding the date of issue.

Discontinuances.

At this season a number of subscriptions to A. P. J. terminate. We shall revise our lists and cut off those who do not send in renewal orders. This notice is intended as a request for a remittance from all who receive a statement by mail. The coming year will see many improvements in the Journal. We hope to retain our former readers.

The Gibraltar of Poultrydom.

"Volume Thirty" can be written by very few class or trade journals in America.

This issue of American Poultry Journal starts the thirtieth volume. When the magazine was founded by Cyrus J. Ward there was no other poultry publication in the West. The development of the poultry and swine industries in the Mississippi valley suggested the establishment of a periodical devoted to these important branches of agricultural work. In a short time, however, the swine department was abandoned and American Poultry Journal was conducted solely in the cause of pure-bred poultry.

In 1888 the present management purchased the business from Mr. Ward. Since that date, the one poultry journal which ante-dated A. P. J. has gone out of existence. We own, therefore, the oldest magazine of this class now existing in the United States.

These facts are stated to show that American Poultry Journal is not an outgrowth of any private manufacturing business in need of a "house organ." It was started in response to a popular demand for an instructive medium and has been conducted undeviatingly along that line. During the earlier years of its life A. P. J. was owned by a man who was an expert judge of fowls in the show room, as well as a successful breeder of high-grade stock for sale.

When the present owners entered the field they realized that the work of judging exhibition birds was detrimental to the influence of a publication. They therefore studiously avoided every phase of the business which might be construed to interfere with the rights of advertisers or the privileges of exhibitors. In other words, the publishers refused to become competitors with breeders or to place themselves in position to be accused of unfairness in awarding prizes.

We do not allude to this in a sense of stricture upon others, except in so far as we personally hold to the belief that all men are human and can not but be influenced by selfish motives, to a greater or less degree, where pecuniary advantages are involved, when opportunity offers. We preferred to keep A. P. J above the suspicion of bias. As it had no goods to advertise, so it had no birds to sell. Nor did it gain an inch of space through the mistaken notion that the advertiser's stock was sure of winnings when judged by the editor. Without observing the sometimes employed rule of "rewarding patrons and punishing non-advertisers," A. P. J. has gone on steadily improving in tone and growing stronger in every way.

The coming year will see several new features introduced. These will be described as soon as the arrangements are entirely completed.

The Coming Election.

The management of the secretary's office of American Poultry Association during the past year has been, so far as we can judge, satisfactory in every sense. We do not understand, and therefore cannot approve of the attitude of one or two of the poultry publications on the question of Isaac K. Felch's elevation to the presidency of the association. Whatever the cause of the acrimonious comments on that matter, it is apparent that Arthur E. Felch, son of the veteran Isaac K. Felch, was appointed to the office of secretary and has done the work required of him. For this, both he and his father have been accused of "bossism," but the poultry fraternity recognizes no "boss," either in the East or the West. This statement has a point in "the application on it," as Cap'n Cuttle would say.

American Poultry Journal has no candidates for offices in the association; but we believe in doing justice to all men who, like the Felches, have done much to build up the poultry business. Isaac K. Felch is one of the fathers in the Israel of poultrydom. He deserves much honor and is accorded honor by us in full degree.

Sample Copies.

A sample copy of American Poultry Journal is sent to a number of persons not now on our subscription list. We hope by this means to secure new friends. We do not send out samples continuously merely to say we have a large circulation. Free papers bring in light returns to advertisers. The man who pays for his goods is the man who is valuable to trade. We submit this specimen of A. P. J. and request your order.

Guarantee to Buyers.

We guarantee our readers against fraud in our advertising columns.

This has always been the rule with us. We admit no advertisements from questionable persons. Occasionally differences of opinion arise as to the quality of birds. Such cases are not "frauds." We use our best efforts to adjust disagreements of this sort. But in cases of indisputable fraud we stand between the buyer and possible loss.

There is probably not a breeder of fowls, particularly one who sells eggs, who has not experienced annoyance in having a purchaser question the value of a sale. It is impossible to please all. This is especially true of egg orders. Still, we take upon ourselves the task of adjusting such troubles, because we have faith in our advertisers and believe that they are honest. As a third party, we step in, without prejudice, and have no serious difficulty in bringing about an amicable settlement.

In many instances the fault rests with the purchasers. A breeder cannot afford to be tricky, even if so disposed. His reputation is his stock in trade no less than his birds. But orders come in very indefinite shape and the birds are not in accordance with the preconceived ideal

in the buyers' minds. This sort of misunderstanding is not "fraud," nor is a failure to hatch eggs a case of dishonesty.

We assume the duty of acting as friend to both buyer and seller.

CARE OF INQUIRIES.

Farm-Poultry: We give an article upon the subject of advertising, quoted from the American Poultry Journal, which will be read with interest by all who are interested in advertising, and the writer of that article dwells particularly upon the important point of "how to take care of the inquiries," which is a most important point. Attend to the inquiry, attend to it promptly, attend to it properly, that is the province of a good salesman. An inquirer isn't yet a customer; it is your opportunity to make a customer.

FARE TO TORONTO SHOW.

Arrangements have been made for a fare and one-third, round trip, for all attending the Toronto show and meeting of American Poultry Association, on all roads running out of New York state; also from Boston. New England and western roads will probably be included. A. E. FELCH.

SUCCESSFUL ADVERTISING.

Editor American Poultry Journal.

Noticing the articles on advertising by the Frank B. White Company, in previous issues of A. P. J., I wish to say that I was greatly interested in them. I have had six years' experience in poultry advertising, and it has cost me a large sum of money to learn what I know about this branch of the business.

A careful keying and watching of each paper, from year to year, in which system I have been aided by the Frank B. White Company, has taught me how and when to advertise to secure results.

One of the first questions to decide is just when the goods you have to sell will sell the best. Having found out the season of trade, the next step is to ascertain what papers will reach your class of customers and which ones will pay to advertise in.

Never seek after cheap advertising mediums. A cheap paper is like a cheap suit of clothes—you get nothing for your money. Beginners generally look after cheap papers. They find it does not pay, and so get disgusted.

An attractive ad in a good paper, no matter if the space is small, will catch the eye of the reader. A poorly gotten up ad does not attract notice. Put your money in papers that are of established reputation and then keep at the work. Continuous advertising pays best, but the size of the ad may vary with the season.

John Bauscher, Jr.

Freeport, Ill.

CORRECTION.

F. A. Blanchard, 207 W. Main St., Louisville, Ky., writes us to call attention to the correction in price of White Wyandotte eggs in his ad. The correct price is 13 for $2; 26 for $3.

NEW YORK CITY.

The New York Poultry and Pigeon Association (Limited) will hold its Tenth Annual Exhibition at Madison Square Garden, New York City, January 31st to February 4th (inclusive), 1899.

This show has justly earned the title of "America's Leading Show," and it is recognized likewise as being the "Business Show of America." The attendance at this show is very large, and composed in great part of rich New Yorkers who reside in the city during the winter, the balance of the year being spent in their country homes.

THE MAGAZINES.

The Ladies' Home Journal, Philadelphia, Pa., has a most attractive list of announcements for 1899.

The Cosmopolitan, Irvington-on-the-Hudson, N. Y., is beautifully illustrated this month and very interesting.

Youth's Companion is the prince of juveniles. It should be in the hands of every young reader in America. Perry Mason & Co., Boston, Mass.

Scribner's Magazine is the delight of thousands with its high art work and its carefully selected matter. Charles Scribner's Sons, 153 Fifth ave., Ney York.

Harper's publications are a library of information and a gallery of art. The movement of affairs throughout the world is recorded in the most liberal manner. The Magazine, Weekly, Bazar, and Round Table cover the fields of literature, art, politics. Address Harper & Brothers, Franklin sq., New York.

SHOW

Your birds at the nearest poultry exhibition, get them scored. If you have the best let people know it. If others have finer you want to learn that by all means.

SHOW

The best you have and when preparing them for the fray, be sure they are not lousy, or you might as well keep them at home. Dust each one now and then with Lambert's Death to Lice Powder, nothing but vermin will kick at the result; it makes each specimen clean, bright and comfortable.

SHOW

Me a poultry-keeper who does nothing to keep away or destroy lice and I will show you one who will soon come to grief. It's a mistake to think lice are not prevalent in winter; this is the time they assemble among the fluffy feathers around the thighs and vent, making fowl life miserable.

SHOW

Birds should be dusted very often to do their prettiest. Everything must be in their favor; if they are worried almost to distraction they lose many points in their scores, and a fraction of a point has often lost the coveted prize. This is where Lambert's Death to Lice is invaluable. It can be used on the finest show plumage without staining or injuring it in the least. We can

SHOW

Testimonials from the foremost breeders and exhibitors in the land, and lots of them. We can show sales on our books year after year to same people, those who succeed at poultry-keeping. We can show cash with order sales from 10 cents to $50, and all these goods are shipped with a positive guarantee your money back if not satisfactory. Who can show more?

Death to Lice Powder, for dusting fowls, 5 oz sample, 10c postpaid; 48 oz. 50c; 100 oz. $1, by express from here or nearest agency.

Death to Lice Ointment for head lice on chickens or children, also scaly shanks on fowls, 10 and 25c, postpaid.

Death to Lice Special, for making a liquid lice and mite killer, 4 oz. 10c; 16 oz. 40c, postpaid. Agents' outfit $3.00. No revenue stamps required on these goods. Book and circulars free.

D. J. LAMBERT,

Box 308. Apponaug, R. I.

GEO. H. PHILLIPS

Breeder of White Wyandottes

Villa Ridge,

Box 320. Illinois.

BARRED PLYMOUTH ROCKS.

By E. F. Peirce.

The Barred Plymouth Rock is an American fanciers' production. It sprang from the Black Java and the old American Dominique; but its development is the combined work of hundreds.

How much our mothers thought of the old "Dominicker" many of us can well remember! How pretty those fowls were in our childish eyes! But the successor is a nobler bird and has a hold on the American people that is unequaled by any other breed. The name itself is one cause. That was an inspiration. "Plymouth Rock" appeals to our sense of patriotism.

The Plymouth Rock was my first love in poultry—it is the first love of thousands.

We may call new varieties Black, White, Buff, or any other color, but the Barred variety stands always at the head.

Next to sentiment, in name and beauty, as an inducement in selection, but first in real importance, is the literal merit of this breed. I need not enumerate the points of value. Once a breeder, always a breeder. Men may change for a time, for the sake of novelty, but they come back to Barred Plymouth Rocks.

The fancier finds in them a source of pleasure. They are difficult to breed in exact form and markings. American pluck and perseverance are required to bring them to the right point. So the fancier will not sit down and let the other fellow win all the prizes.

Glancing back, it would seem as if that 100-point bird must be almost in sight. But in 1884 there were birds scored at 95 and 96. In 1898 I do not see as many 95-point birds as then, and I wonder if we are advancing. The answer is, probably, in the affirmative; but a 96-pointer of 1884 would have a hard time to get 95 now. We are changing in ideals, and the Barred Plymouth Rocks of today are much more beautiful than they were then.

In the show room they elicit more comments than other exhibits.

Some people condemn the Rocks when the breeder is to blame, not the birds. These fowls take on fat easily. They do not lay as well, nor do their eggs hatch as well, when the birds are in that condition. But this is a matter of feeding and treatment. I don't believe in starving fowls, nor in stuffing them with hot meals and patent medicines. They should be given more oats than corn.

A good feed is made in this way: One part corn, one part wheat, three parts oats, ground into coarse meal. Take good clover hay, if you have it, or other hay, and cut it fine. Place this hay in a pail, with boiling water, and cover it over night. In the morning mix in the ground feed, sufficient to make the mess dry, not sloppy, and feed all the fowls will eat up clean. Give thick milk. If you haven't this, fresh cut bones are a substitute, which are even better than milk. Throw a few handfuls of oats or wheat in straw or litter and let the fowls scratch. This is an old idea, but who can furnish a better one? Lazy hens get fat.

At noon, give them oats in the scratching shed; at night, give a ration of corn.

Fed in this manner, and furnished with clean drinking water and grit, the fowls will do well, and are sure to fill the egg-basket.

Keep your houses clean. Use air-slacked lime. Disease will not trouble the fowls.

These ideas are "old-fashioned," but somehow the new theories, and the ideas about not giving hard grain in the afternoon, do not seem to make such wonderful progress.

If fancy stock is desired, there must be good stock to start with. The Barred Plymouth Rock is not a haphazard bird. Blood and quality must be behind prize-winners. Do not think you can pick up chance birds. Buy the best, of an honest breeder. At the beginning, let the experienced man do the mating for you. Breeders are as anxious to see your birds win as you are, because it adds to their reputation.

After getting a foundation, be careful where you buy. Get stock of the strain you already have; buy females and use your own males. The next season use males from this mating for new blood.

Do not buy male birds every year, and from different breeders; for if they are not line-bred they won't do you much good.

Visit a large show. You will see that the different breeders' stock are unlike. Some differ in shape; others in color. These represent varied ideas and tastes in breeding. This may seem strange to a beginner. The difference in taste is one of the chief causes of the differences in judging.

Adhere to the line of blood you start with, if it is good, and avoid outside parties.

I am glad to know that A. C. Hawkins thinks we are getting nearer to the one-mating system. The sooner we reach that, the better.

Watch your hens and ascertain which are the best layers of large eggs. Breed from them. Use only good birds, with clean barring and of standard color.

BUFF PLYMOUTH ROCKS.

By Geo. W. Hamm.

About the year 1890, so far as my own knowledge extends, a few breeders were working for a buff bird which should have clean legs, single comb and possess the general characteristics of the grand old Plymouth Rock. They succeeded beyond their most sanguine expectations.

The first specimens shown were creditable. They have been improved, until they are marvels, considering the short time they have been before the public.

The Standard is pretty severe on them, for a variety so new. There is no doubt about their being able to overcome all the difficulties by the time another Standard is issued.

There has been a good deal of controversy respecting the proper shade of buff. A majority of breeders and judges seem to favor a medium, or a light medium. How to get this color in surface and have it even and sound, and at the same time get a rich undercolor, is a problem in scientific mating. It is the most difficult of all ends to be attained. It can be reached not at a bound, but only by years of patient study and breeding in line.

I have made many individual matings each year for years past and have kept a careful record of the same. I find that the best results come from selecting both male and female as near alike as possible and those nearest to those that are wanted.

Every Buff Rock breeder who offers stock for sale has numerous inquiries for birds that are up to Standard requirements in all points. Particularly

CHICAGO POULTRY SUPPLY HOUSE

We carry in stock every description of Poultry Supplies. Incubators, Brooders, Bone Cutters, Oyster Shells, Grits, Blood Meal, Peas, Millet Seed, Beef Scraps, Coops, Drinking Fountains, Lice Killers, Roup Cures. Buy of us and save the freight from eastern points. Send for catalogue.

F. S. BURCH & CO.,
178 Michigan st., Chicago, Ill.

for birds with solid buff wings and tail—a point that even the Buff Cochins, old as they are, do not reach. Birds with solid buff wings are now quite common. A little later on we shall have them with solid buff tails also.

Good matings are a strong point in breeding, but only a starting point. Conditions must be favorable to bring good results. Chickens must be kept growing right from the start, and should have unlimited range, with proper feed, plenty of shade, and clean water.

The best feed that we have found for growing chicks of this variety is yellow corn, ground and cracked at first, and whole a little later. Some time ago the writer farmed out several lots of chicks. One lot was fed wholly on wheat and wheat screenings, after they were large enough to eat it. They did well, but lacked the bright, beautiful buff color which these birds show at their best. Another lot never had any feed from the start but corn, ground and cracked, at first, and whole corn as soon as they could eat it. These chicks were worth more than double what the others were, with no better care, their color being simply grand. People sometimes laugh at this idea, but it is true nevertheless.

This variety is now not only taking the lead as a fancier's ideal, but as a market fowl also, they being hardy, quick of growth. With proper care, from the time that they are out of the shell they are plump and shapely, always carrying a good amount of flesh while they are maturing. The old-time Rocks have stood at the head as a market fowl for a long time, but the Buffs are now a strong rival, as they are an ideal color for market, as feathers, skin and shanks are of a golden color, and there is an entire absence of dark pinfeathers, or white skin and light shanks so common in many varieties. We have found them great layers; and while they make excellent mothers, they are not persistent setters. I have great faith in these birds and in their future. It is now no uncommon thing to learn of breeders who, when they become thoroughly acquainted with the Buff Rocks, discard every other variety and breed them exclusively. Has the demand for them decreased? No; on the contrary, for good birds, it is constantly increasing. Wherever known they are greatly appreciated and eagerly sought after. For the man who owns a village lot and wants to keep a few fowls, for the fancier who breeds many birds, for the man who breeds for market only the Buff Plymouth Rocks have no superior.

MANN'S GREEN BONE CUTTERS

Cut all kinds of green and dry bone **fast, fine and easy.**

Green Cut Bone is the **cheapest and best egg food** known. It **doubles the eggs.** Makes hens lay in winter when eggs are at their best price. Makes little chicks grow fast. **Makes early layers of pullets.** Makes the early market high price broilers.

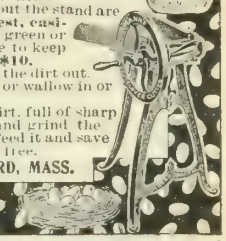
Mann's Clover Cutters either with or without the stand are **the simplest, fastest, easiest** cutters made. Cut all kinds of hay, clover and grass, green or dry. One turn of the wheel makes 12 cuts; only one knife to keep in order; **safe, practical and durable. Price, $8. and $10.**

Mann's Swinging Feed Trays keep the feed in and the dirt out. Hens can't scratch or wallow in or roost on them. **They save feed.**

Mann's Granite Crystal Grit is "clear grit" no dirt, full of sharp corners that cut and grind the hardest food. **Greatest digestion promoter known.** Feed it and save the hen's time. Cash or installments. Catalogue free.

F. W. MANN CO., Box 56, MILFORD, MASS.

MANN'S GRANITE CRYSTAL GRIT



SOME FINE CATALOGUES.

The development of the incubator, from an experiment with scientific principles in biology to a demonstrated fact in the application of mechanical methods to the natural laws of life, has worked a revolution in one of the most important branches of the poultry industry.

There are several manufacturing concerns in the United States that are making successful incubators. The business is immense in volume in the aggregate, and while we cannot, for obvious reasons of justice, say which of these machines is "the best," we can and shall set forth the claims of the different concerns from time to time. We have no association directly or indirectly with any incubator manufacturer.

One of the strongest evidences of the improvement in this line of business is the artistic and practical value of the catalogues issued by the incubator makers. These books are more than advertisements; they are compendiums of information in the science and practice of poultry culture.

For many years past there has been many a profitable essay in the incubator catalogues on the subjects of raising and caring for fowls. That veteran poultryman, J. L. Campbell, of West Elizabeth, Pa., has done splendid work with his pen, as well as with his mechanic's tools; but the catalogues of 1899 are more than even he dreamed of in the days gone by.

The first of these books to reach our desk this year is "The Cyphers Incubator Catalogue and Guide to Poultry Culture." It is a volume of 136 pages, 8x11 inches, on fine paper. The proposition we elsewhere make regarding the use of photography for illustrative purposes is well sustained herein. More than one hundred views of yards, ranges, houses, and appliances for poultrymen, as well as portraits of fanciers, are given by the process system. These literal views are invaluable for their suggestions. But these pictures are only embellishments of the letter-press, which is descriptive, instructive and encouraging. Mr. Cyphers is a scientific investigator of the subject of incubation. He is ably sustained in the business by Frank G. Patchin. The only complaint we have to offer is the too exhaustive treatment of poultry themes by these men. They take away the thunder from the poultry press! However, we shall not quarrel with the Cyphers Incubator Company, of Wayland, New York, for getting out so excellent a work, and we advise our readers to send 10 cents to the above address and secure a copy of the book whether they contemplate buying an incubator or not. It will pay any poultryman to read this catalogue, which is truly a "Guide to Poultry Culture."

B. G. Smith, Elmira, N. Y., has issued a beautifully printed catalogue of his Wyandottes and Leghorns. Fine work of this kind is a great aid to business.

TO THE BREEDERS OF BUFF WYANDOTTES.

While the greater number of the several breeders have organized, by which means to maintain the standard of high class poultry, it would not be amiss to get in line and form a Buff Wyandotte Club. As there are already a number of the largest breeders who have signified their willingness to aid and carry out the object of the club, I hope that all breeders who are interested will write me what they think of the question. An exhibition will be held at Elmira, N. Y., Jan. 17 to 21, 1899. It seems to me a good place to get the breeders together and there form the proposed club. The Elmira Poultry Association has offered a $25 silver cup, providing the club is organized there. Address William C. Klee, 278 Meigs St., Rochester, N. Y.

The Oxford, O., poultry show, held December 5 to 9, was a success. Every premium and current obligation was paid. Mr. Pierce gave satisfaction in his judging. No complaints were heard.

MR. HUNTER'S PURPOSE EXPLAINED.

Farm-Poultry reprints the article "Mr. Hunter's Facts and Figures," which appeared in the November issue of A. P. J., and gives a lengthy reply thereto.

The logic of our valued contemporary is not above criticism. For the proper understanding of the subject by the new readers of A. P. J. we give a brief summary of the proposition.

Farm-Poultry has a department called "The Practical Experiment Club." Its announced purpose is the "discussion of topics suggested to members by their own record sheets." These records are, for the matter in hand, a showing of the egg production of standard-bred fowls, including the best known breeds, and mongrels, grades, crosses and mixed varieties.

In the showing for August we found that as high, or even a higher, average of productivity obtained amongst the non-standard fowls as amongst the pure-breds. We therefore drew the deduction that Farm-Poultry was doing its duty if its object was to prove that thoroughbreds are not as meritorious as the common fowls. We likewise adverted to the fact that Mr. Hunter is advertising pure-bred birds as superior to the mongrel and grade fowls.

Replying to our strictures, the editor of the club reports that he "is much amused" at our "exhibition of Chicagoese wit," and generously hopes that our observations are not the result of our "not knowing any better."

The wit, it is true, may be wholly on the side of A. P. J., but certainly the ignorance of object and effect is not monopolized by A. P. J., because F.-P. admits it "did not know that the Experiment Club was trying to prove anything except that it pays to keep careful records."

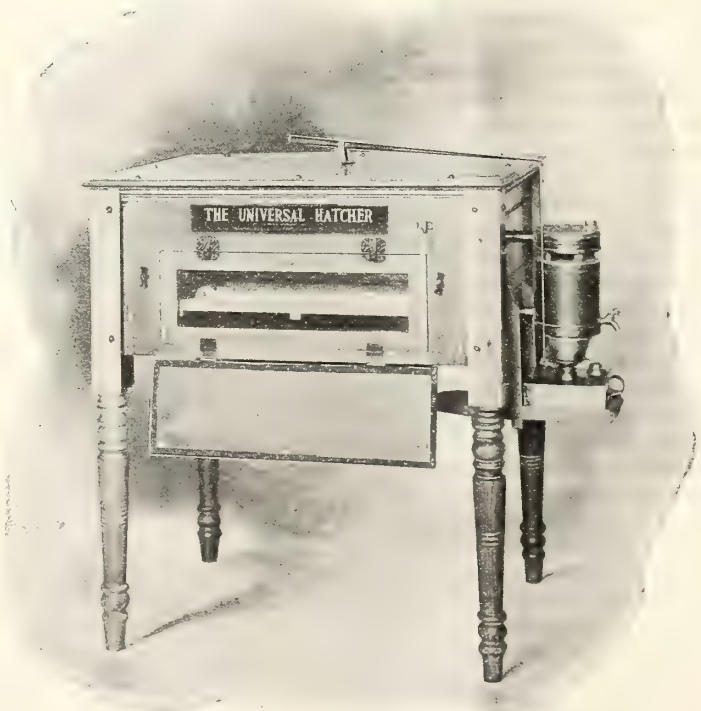
If the mere keeping of the records is the sole object, as F.-P. asserts, and all that Mr. Hunter is "endeavoring and striving to do" is to "induce poultry keepers to keep careful records of their flocks," the contention must end here. He has accomplished his purpose. But we imagined that the ultimate intention was to prove the relative value of the numerous breeds. In the far away future the editor of F.-P. promises to utilize the statistics thus gathered, and then issue his ultimatum on the productivity of the feathered races. If the statistics continue to show what those on hand already indicate as probable, the pure-bred fowl is doomed.

Mr. Hunter takes exception to our use of the term "mixture" in lieu of "mixed varieties." He says: "It does not necessarily mean that the birds are mixtures, although the flock may contain mongrels and thoroughbreds. A mixture hen that was neither cross nor grade would be a mongrel, would it not? Funny A. P. J. did not see it." Yes, very funny — true Boston humor. If flocks contain several varieties, how can they be other than "mixed?" And whatever is produced by mixing is necessarily a mixture. A mongrel or hybrid is simply a mixing of species or genus. Our use of the term "mixture" is sustained by the authority in vogue at Harvard—a fact which should be convincing to a Boston man.

Our contemporary complains that we have taken the report for a single month and drawn a conclusion on an insufficient premise; asserts that the report based on nine months' reports is also inadequate, and states that a basis of calculation could be laid when three months more have elapsed. We find that the average for August and those for nine months increase mongrels from 8.75 to 10; grades remain the same, 11; crosses increase from 10.66 to 13; Barred Plymouth Rocks increase from 9.5 to 11; White Wyandottes increase from 8.5 to 11; and the general average is raised. But these figures confirm our original proposition, that Mr. Hunter is disproving the theory of the thoroughbred fanciers.

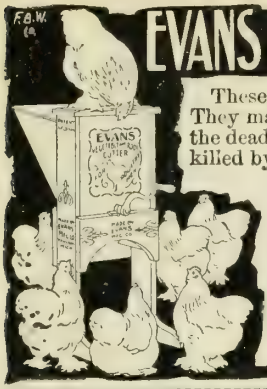
Still, as these reports are intended simply to encourage the art of keeping records, and as Mr. Hunter is "mentally and monetarily interested" in a breed "that makes the poorest showing," we accept his declaration that he has "a decided leaning towards the fancy"—for monetary purposes. That being the case, why does not he start a department of statistics, for the development of the careful-record habit, in some line that does not tend to disprove his advertisement that "White Wyandottes are the prolific laying stock" and "Barred Plymouth Rocks are the business fowl of the Nineteenth century?"

The Universal Hatcher and Brooder.



Send 6c stamps and get our handsome catalogue, with a full description of the best machine ever put on the market.

E. W. ANDREWS & CO.,
211 E. R. Ave.,
Elmira, N. Y.



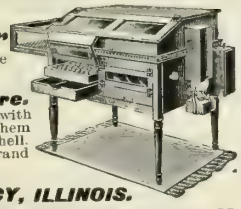
EVANS VEGETABLE AND ROOT CUTTERS

These machines meet a long felt want among poultrymen. They make possible the feeding of green and succulent food in the dead of winter when every spear of grass and green thing is killed by frost. They convert all kinds of roots into fine particles like angle worms that are greedily eaten by all fowls, big and little. The feeding of vegetables thus prepared doubles the egg product and saves fully 50% of the grain feed. It makes hens lay in winter when eggs are worth the most money. Endorsed by all leading poultrymen of the country. Buy one and make money from your fowls this winter. Made in four sizes. Price, $1. and up. Write for free circulars.

EVANS MANUFACTURING CO., Dept. B, YPSILANTI, MICH.

The Peerless Incubator

Hot Air or .....Hot Water machines, as you prefer, are **Perfect in the application of heat, ventilation and moisture.**



Either combined incubator and brooder or single machines. The only machine with a specially constructed **Nursery for Chicks under the Egg Tray.** Removes them from the intense heat and saves the tenderlings that have just come out of the shell. We also handle a **full line of Poultry Supplies** all bearing the standard brand "Peerless" Write for what you want. New Catalogue, 4c. in stamps. Better send for it at once.

THE PEERLESS COMPANY, Box 33, QUINCY, ILLINOIS.

Record at State Poultry Exhibit, Jackson, 1896.

A Record Never Beaten in Michigan:

1st on breeding pen B. P. Rocks, score			186¼
1st on cockerel	"	"	94
1st on hen	"	"	93
3d on pullet	"	"	93

Sharp Butterfield, judge.

OAK LAWN POULTRY FARM,

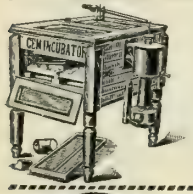
C. W. MANSFIELD, Prop., Ypsilanti, Mich.

Breeder of Superfine

Barred Plymouth Rocks and Single-comb Brown Leghorns.

Birds and eggs for sale in season.

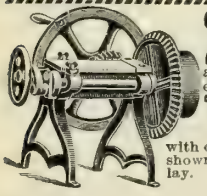
Eggs, $1.50 per sitting.



The GEM INCUBATORS and BROODERS

are first-class, up-to-date machines, with O. K. regulator and with self-cleaning egg chamber and nursery they are way up "G." Over 100 in use within ten miles of home. Everybody pleased with them. Try them 60 days, if not satisfied, send them back and get your money. Prices low. Freight paid. Send for free catalogue. Address the manufacturer.

J. W. SAUER, Trotwood, Ohio.



25 CENTS A DOZEN FOR EGGS

That's what every dozen of your eggs will bring if you have them at the proper time. **Green Cut Bone** makes hens lay in winter, when eggs are worth most money. The best way to prepare the bone is with

The Dandy Green Bone Cutter

with or without gear. They cut fast, cut fine, and only take a little power. Machine here shown is for hand power; cuts 25 lbs. per hour. Makes little chicks grow, makes big hens lay. A dozen styles to select from. Get **free catalogue** before buying.

STRATTON & OSBORNE, BOX 17, ERIE, PENNSYLVANIA.

For January Only.

Four Trios of Fine at $4 per trio. **HOUDANS**

Twelve Trios of at $2.50 per trio. **PEKIN DUCKS**

Satisfaction guaranteed. Agent of Wisconsin for Lee's Lice Killer.

C. N. KERSTEN, Chilton, Wis.

CRESCENT FARM, KENT, OHIO Box A. U. S. A.

Buff Cochins. Winners at *Madison Sq. Garden, New York, Buffalo, Cleveland and Elmira.*

White Leghorns. Winners at Buffalo and Cleveland last season.

We Can Furnish

from the above stock. Also first-class breeding stock Send for Catalogue.

REV. HENRY M. LADD, Prop.

Address E. T. BLOOD, Mgr.

Mammoth Bronze Turkeys

Bred from Winners,

Fine Toms $3 & $4 each; Pullets, $2 & $3.

Fine show tom, two-year-old, $8.

200 BUFF LEGHORNS FOR SALE.

S. J. B. DUNBAR, Elkhorn, Wis.

BUFF P. ROCKS,

COIN GOLD STRAIN,

in fowls, and Wire-Haired Scotch **TERRIERS** in dogs, exclusively. Only a few fine 7 months old pups, and Rock chicks, now above standard weight, for sale.

ISRAEL ROOT, Bloomington, Ill.

MANGE'S BARRED PLYMOUTH ROCKS.

Choice Farm Raised Stock

FOR SALE CHEAP,

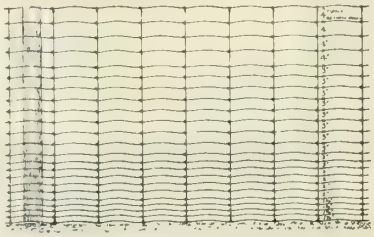
quality considered. Must have room and will make prices that mean business. No culls at any price. Don't delay but write for particulars.

D. G. MANGE, Lowell, Mich.

Partridge Cochins, S-c. Br. Leghorns, Barred Plymouth Rocks.

No circular. Write for what you want. I can please you. Mention Journal.

G. D. HOLDEN, Owatonna, Minn.



Don't Do a Thing

until you write us and ask all about Page Poultry Fence. No, it is not a light wire netting. It is a fence, heavy, strong and closely woven. All styles of farm fence constantly on hand.

Page Woven Wire Fenco Co., Adrian, Mich.

BRABAZON'S POULTRY CATALOGUE FREE! It's a beauty, over 50 colored plates. Illustrates and describes fine Turkeys, Geese, Ducks and chickens; gives prices of fowls & eggs **Finest Buyer's Guide published.** Inclose 10c. for postage, etc.

J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

Success with Poultry

Treat your poultry like any other business investment. Supply your hens with the necessary working capital and they will repay you handsomely. We supply everything necessary to success in the poultry yard.

Bone Cutters, Incubators, Crushed Oyster Shells, Poultry Grits, Ground Meat Meals, Beef Scraps, Bone, Drinking Fountains, Feeding Pans, Poultry Netting, Condition Powders, Etc. Each the best of its kind, each an element of success in handling poultry.

CUT CLOVER HAY.

Ready for use. Takes the place of grass and green food in the winter. Balances the grain ration conditions the bowels and doubles the egg product

$1.75 per 100 Pound Bag.

Illustrated catalogue sent free.

HARVEY SEED CO.

30 Ellicott St., Buffalo, N. Y.

Buff P. Rocks, Sing'e and Rose-comb Buff Leghorns; my own "ORANGE STRAIN" exhibition and breeding birds now for sale at right prices. Write,
L. B. HANNA, Columbus City, Iowa.

BUFF LEGHORN Cocks, Cockerels or Pullets—evidence of quality, 112 prizes, 14 gold specials, silver cups and medals at Mt. Gretna, Hagerstown, etc. Wonderful birds for exhibition or breeding, cheap. A few Cornish Indians left. Mention A. P. J.
GEO. W. KINZER, New Holland, Pa.

DUCKS; CHICKENS. 200 Pekin Ducks, 75c to $1 each. Also Barred and White P. Rocks, White Wyandottes and R-c. Brown Leghorns. A grand lot of cockerels and pullets at low prices. Prizes won at Chicago, Rockford and Henry shows. Stock as represented or your money refunded.
E. E. ARNOLD: SANDWICH, ILL.

LINCOLN PARK POULTRY YARDS, LUCAS & REILLY. Props. White Plymouth Rocks, Buff Wyandottes
Our show record at Hoopston, Ill., Dec. 12-17.—Cockerel 1st and 2d, hen 1st, pullet 1st, 2d, 3d, pen 1st. Buff Wyandottes scoring 90 to 93. White Plymouth Rock cockerels for sale with score cards. No Buff for sale. Eggs and stock for sale. Address
LUCAS & REILLY, 28 Jackson st., Danville, Ill

BLK. LANGSHANS, LT. BRAHMAS.
Langshans score to 95½; Brahmas to 94. We have won prizes wherever shown. Look up our show record. Have good birds for sale at all times. Eggs in season. Prices reasonable. Send for circular. KIRKPATRICK & GUNDLACK, P. O. Box 326, Lincoln, Ill.

THEY ARE BRED FOR EGGS AND MEAT.
LIGHT BRAHMAS, WHITE WYANDOTTES, S-C WHITE LEGHORNS. We use none but strictly hardy, vigorous birds in our breeding pens—keeping as close to Standard requirements as is consistent for good health and profit. Eggs for Hatching Only $1.25 per sitting of 15.
Utility being our aim. Orders booked now. Michael K. Boyer, Hammonton, Atlantic Co., N. J.

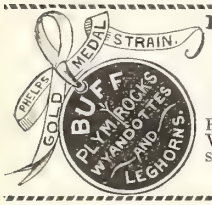
Are You in Need of a Good Buff Rock?
Have over ***100 Selected Cockerels*** for sale. ***Good ones, $3, $4 and $5.*** They cannot help but please. Write if in need and *you want a bargain.* 'Tis a pleasure to answer.
Sec & Treas. Buff Rock Club. W. C. DENNY, Rochester, N. Y.

TALBERTS LIGHT BRAHMAS
Won four of the five first premiums at the Trans-Mississippi and International Exposition; also 1 second and 2 sweepstakes on five entries. If you want good stock write us.
MR. & MRS. O. D. TALBERT, 1817 Lake st., Omaha, Neb.

Rapid Run, Rapid Growers, Rapid Layers, Rapid Sellers.
Pekin Ducks, W. P. Rocks,
Silver and White Wyandottes.
Bred from best strains, with proper care. Prolific—Ducks with deep keels. A few cockerels—no pullets.
Eggs—$2 per 13. Duck eggs—Jan., $6 a 100; Feb., $7; March, $8. Single sitting $1.50. Extra eggs if you mention A. P. J. Agents Cyphers Incubators.
RAPID RUN POULTRY FARM, Station F., Cincinnati, Ohio.

F. C. SHEPHERD, G. W. HAMM, J. D. WILSON. **BUFF PLYMOUTH ROCKS.** H. S. BURDICK, JAS. FORSYTH, C. W. BEMAN.
Change of location forces me to dispose of my entire stock of Buff Rocks *at once*, and in order to move them will give purchasers extra good value for their money, or will sell entire stock (good will included) to one party, and to such I will offer a *rare bargain.* These birds are all bred from the very best blood in the country. From the six leading strains appearing in above display head. If you want a start of the best blood procurable, at a small outlay, it will pay you to investigate this opportunity. Write, inclosing stamp to the Illinois Vice-President American Buff Plymouth Rock Club,
J. P. HECK, Pittsfield, Illinois.

Stuckey's Buff Plymouth Rocks
Are ***birds of highest quality,*** also ***prize winners*** in high society, and high scoring. My breeders and young birds for sale at great bargains if taken early.
Fancy Buff Leghorns.
No better East or West than some of my ***prize-winners.*** Also ***White Rox.*** Now is your chance to get good birds. Don't fail to write if you want good stock. Address
C. J. STUCKEY, Mechanicsburg, Ohio.



BUCKEYE FARM: IS DEVOTED TO **AUSTINBURG, OHIO.** BOX 140.
BUFFS EXCLUSIVELY.
I have recently purchased from Mr. Aug. D. Arnold, the celebrated Buff Leghorn cock, **GOLD BUG,** winner of first and special at Boston, Washington and Hagerstown, in 1897. He will head one of my pens this season. **EGGS** $2 per 15 after Feb. 1st.
E. A. PHELPS, Prop.

McIntosh's BUFF ROCKS,
As Good as the Best.
Young stock now ready for the show or breeding pen, at reasonable prices, ranging from $1.50 up. Our No. 1 pen is headed by the highest scoring 1st prize cock at last January Chicago show.—Exhibited by G. W. Hamm and bought direct from him. Also breeder of Black Langshans of best types.
S. E. McINTOSH, Hardinsburg, Ind.
Member American Buff Rock Club.

BLUE ANDALUSIANS.

By B. F. Parsons.

Breeders of the fancy and utility, why not try them? I have bred them five years, and for eggs, I find they outclass the Barred Plymouth Rocks and Buff Leghorns 20 per cent by actual test. They are an all-year-round layer, and lay a larger egg. They are much hardier than either of the above mentioned varieties, mature as quickly as the Leghorns, and are as heavy as the Minorcas. They do not breed as true to color as most varieties, throwing off black and white chicks, but you can get as many high-scoring birds from the same number hatched as from almost any other variety. My birds have never failed to carry off a large per cent of premiums wherever shown, with score cards from 92 to 94. They always attract attention in the show room and certainly ought to be more extensively bred.

From experience I have found them practically non-setters. In the five years I have only had three hens to show the least sign of broodiness and I have hens four years old. Perhaps it will interest some of your readers to know how I care for my fowls. I have now, all told, about 250 fowls of the Barred Rock, Buff Rock, Buff Leghorn and Blue Andalusian varieties. My houses are very warm, being of double matched lumber, with building paper between. The windows are double glazed and the houses are properly ventilated. I feed warm mash in the morning, composed of equal parts bran, wheat middlings and Pioneer clover meal, with one pint blood meal to 20 quarts mash; the whole slightly salted. At noon a light feed of oats, wheat and millet, each alternate day, scattered in litter. At night, shelled corn—what they will eat up clean. Cabbage, turnips or stock beets are given twice a week, and green cut bone once a week, with plenty of fresh water. In cold weather I warm it slightly. My fowls have before them at all times Mica Crystal grit, crushed oyster shell and charcoal. I clean my houses once or twice a week and keep the fowls and houses free from vermin with Lambert's Death to Lice and Lee's Lice Killer. I never fail to get eggs in the coldest weather, and the best part of it is my poultry is paying me in dollars and cents.

Edwardsburg, Mich.

F. M. Munger, DeKalb, Ill., has some of the finest bronze turkeys he ever raised, and also a large lot B. P. and White Rocks, White and Silver Wyandottes and Brown Leghorns.

Commended by Advertisers.

Ed. Hippert, Kewanee, Ill.—"If my small card in American Poultry Journal pays me this year as well as it did last year, it will be the best dollar investment I ever made."

Wm. Hughes, So. Portsmouth, R. I., the famous "O. K. Billy," who has forty acres of free range for his Langshans and Langshan Bantams, in a letter dated March 5, 1898, says: "I can trace the sale of 53 birds directly to American Poultry Journal this season. When I strike a bonanza I know it. You never know from a small card what a large one will do. I put in an ad in the A. P. J., and the first thing I knew, thump! down came a $50 sale. Orders continue right along. I am getting sold short on birds, and never sell eggs."

Hunt Brothers, Greenwood, Ill., breeders of Paragon Langshans, and foremost among the successful fanciers of poultry: "As an advertising medium American Poultry Journal has done us more good than any other medium we have used. Our business relations have been very pleasant, and we wish to heartily commend the spirit of enterprise and improvement which is manifested in each succeeding issue of your magazine."

J. I. De Lancey, Elgin, Ill.—"American Poultry Journal is one of fthe very best advertising mediums I have ever found. It has helped me to sell a large amount of stock."

G. C. Flegel, Westville, Ind.—"I am surprised at the number of inquiries I have received for my White Wyandottes from ad in American Poultry Journal. It is as good as the best."

B. F. Huntington, Platteville, Wis.—"Returns are coming in from my ad in American Poultry Journal in satisfactory manner. Your magazine is all right."

T. A. Akers, Tiffin, O.—"I can trace several valuable orders to American Poultry Journal. It is the most beneficial poultry magazine I have ever read."

U. Grant Davidson, Manson, Ia.—"I am receiving more inquiries from my ad in American Poultry Journal than ever before at this season of the year."

Chas. K. Esler & Sons, Lansing, Mich.—"We are getting good returns from our ad in American Poultry Journal."

H. S. Godfrey, Rockford, Ill.—"American Poultry Journal has given me the best of satisfaction as an advertising medium."

H. S. Hubbell, Chicago.—"Please stop my small ad of incubator for sale. The machine is sold through your columns. I may have to insert an ad to stop the letters."

Rev. Lewis Rickey, Georgetown, O.—"Last Jan., Feb., and March I had a small ad in American Poultry Journal, and sold everything I had to sell. In Sept. I had a call for a cockerel from this same ad. Your magazine possesses superior merit as an educator in poultry culture and is a most excellent advertising medium."

J. W. Miller Co., Freeport, Ill.—"We are receiving from 25 to 35 replies a day from our ad in American Poultry Journal."

W. W. Richardson, Quincy, Ill.—"My ad in American Poultry Journal the past two months has sold all of my ducks."

F. D. Bennett, Galena, O.—"I consider American Poultry Journal one of the best advertising mediums. Sales have been very good."

W. E. Hamilton, proprietor of The Chronicle, Odebolt, Ia.—"I have found American Poultry Journal a valuable advertising medium. Through it, I have sold birds from the Atlantic to the Pacific."

J. W. Bell, Chetek, Wis.—"I have had good sales from my ad in American Poultry Journal."

J. P. Kennedy, Emington, Ill.—"American Poultry Journal has done well for me as an advertising medium."

E. A. Phelps, Ausinburg, O.—"I am more than pleased with American Poultry Journal as an advertising medium. It brings the kind of inquiries that develop into sales."

Mrs. M. A. Smith, Gilman, Ia.—"I began advertising in American Poultry Journal ten years ago and found it the best medium in the lot."

Mrs. M. F. Miller, Shepherd, Ill.—"I think American Poultry Journal is an A No. 1 advertising medium."

Sold only in these Sealed and Branded Sacks.

FOR A MORNING MASH.

It Makes Hens Pay

The immense saving of time in using a ready-mixed food is, in itself, a great consideration. The absolute knowledge that American Poultry Food is scientifically combined under an exact formula, and is always the same, is another reason for its popularity among careful poultrymen. Besides it is kiln dried, which prevents its spoiling, and insures its palateableness. The process of its manufacture concentrates and increases its feeding value and assists digestion. **A morning mash.**

AMERICAN POULTRY FOOD

We freely offer the services of our Feed Expert to assist in the solution of all questions pertaining to the proper feeding and care of poultry, and invite you to write us on such matters, carefully stating your difficulties.

Practical Poultry Feeding, a little book covering a wide range of subjects of vital interest to Poultrymen, will be sent you free, post paid, on request. Address, **SCIENCE DEPARTMENT,**

The American Cereal Co.

353 Monadnock Bldg., Chicago, Ill.

CEDAR RAPIDS, IOWA.

The arrangements for the great show to be held at Cedar Rapids, Ia., January 16 to 21, 1899, are now practically completed, and the premium list will be ready about December 10. There will be more cash and valuable special premiums offered there than at any other show in the West. The pigeon department will have unusual attention from the association this year, and with Mr. Ewald, of Cincinnati, as judge, and the admirable cooping for which arrangements have been made, it cannot fail to prove a great popular success. The premium list is elaborate, and the secretary, C. H. Playter, Cedar Rapids, Ia., would be pleased to mail one to any address on receipt of request for same.

The next annual meeting of The American Plymouth Rock Club will be held in the parlors of the Elliott House, Toronto, Wednesday evening, January 11, 1899.

G. O. Brown, President.

F. J. Marshall, Sec.,
Middletown, O.

1885 —IF YOU WANT THE BEST— 1899

Bronze Turkeys, Barred P. Rocks, White Wyandottes, Buff P. Bantams and Embden Geese, write me for prices. I also breed prize-winning Oxford-Down Sheep. Mention A. P. J.

W. N. SMITH, Ohio, Ill.

A trial will convince the most skeptical that our is the best package ever devised for **SHIPPING EGGS FOR HATCHING.** A paper box with partitions and lining of corrugated packing paper. Prices: 12 egg, $1; 15 egg, $1.20; 30 egg, $2; 40 egg $2.50.

Safety Egg Boxes

Jobbers and manufacturers of Bird, Dog and Poultry Supplies, Lee's Lice Killer Deodorized Blood Meal, Evan's Root Cutter. C. H. ROYCE & SON, 201 Jefferson ave., Detroit, Mich.

LEWIS G. PLEISS, New Albany, Ind.,

Breeds, Sells and Exhibits

FIRST PRIZE WINNERS

—IN—

Light Brahmas and Buff Rocks.

Young stock for sale that will win. Eggs in season.

BLACK LANGSHANS----Exclusively.

At New Albany, Ind., and Louisville and Shelbyville, Ky., last season, my stock all scored from 94½ to 96, winning in all classes,

See the Record and be Convinced.

Eggs from a magnificent pen, scoring from 93 to 96, $3 per 13, and *good results guaranteed.* Orders booked now for future delivery. Stock for sale at all times.

ADAM HEIMBERGER, New Albany, Ind.

We Have Them.

200 Barred Plymouth Rocks and Mammoth Bronze Turkeys.

Bred from winners, and some of them fit to win in hot competition. At Princeton, Ill., show, Dec. '97, our B. P. Rocks won 1st ckl. 92; 2d pullet 92½; 1st breeding pen 184⅛; 1st pair 184½. Over 400 Rocks competing. Write your wants and get our prices before buying.

MYER BROS., Malden Ill.

BARRED PLYMOUTH ROCKS, Bradley Bros., E. B. Thompson, J. H. Thompson and A. C. Hawkins strains.

SINGLE-COMB BROWN LEGHORNS, Forsyth, Howell and Bright strains.

SINGLE-COMB WHITE LEGHORNS, Klapp Bros. strain.

I have a grand lot of youngsters for sale. Also some of last season's breeders, both males and females. I you want a fine male, pair or pen, write me. I guarantee satisfaction.

Box 100. **GEORGE H. BIE, Station A, Racine, Wis.**

1000 Selected Birds,

BARRED & WHITE PLYMOUTH ROCKS,

Brown and White Leghorns,

LIGHT BRAHMAS, TOULOUSE GEESE,
PEKIN DUCKS, ROUEN DUCKS.

All farm-raised. Big fellows. Satisfaction guaranteed.

W. A. HOYT, Whitewater, Wis. **Meadow Glen Poultry Yards.**

BURHANS' best pen of Buff Rocks was selected and mated for the **BEST** results by one of the most prominent and successful breeders of **BUFF** Rocks. Those who buy eggs from this choice mating will have a **ROCK** foundation upon which to build a flock of beautiful **BIRDS.**

Orders now booked for eggs. Pen No. 1, $3 per 13; $5.50 per 26. Pen No. 2, $2 per 13; $3.75 per 26. We pay express on all orders of 26 eggs or more.

BURHANS' BUFF ROCK FARM, Box 394, Seward, Neb.

The Cedar Rapids Grit—The Grit that Grinds.

Everyone that tries CEDAR RAPIDS GRIT is a patron for life, surpassed by none in sharp cutting edges. Put up in four sizes and approved by best fanciers.

INTRODUCTORY PRICE, two 100 pound sacks, any size or sizes, for $1.50.

This Offer for This Month Only.

THE CEDAR RAPIDS GRIT COMPANY, - - Cedar Rapids, Iowa.

CRESCENT'S S.C.B.LEGHORNS

FRANCIS P. CRESCENT, Mngr.,
1532, 23d st., Milwaukee, Wisconsin.

NO! We have not the best;

We do not claim to have the best and then send you any old thing, but we do claim to have **SOME OF THE BEST**, and guarantee satisfaction or money cheerfully refunded. Try us.

WE BREED SINGLE-COMB BROWN LEGHORNS, exclusively, and give our whole time and attention to this breed, therefore, are in a positson to do justice.

TALK IS CHEAP.

Write us your wants, it does not cost anything and you may profit by it. Eggs $1 per 13.

POULTRY CUTS at CUT PRICES.

CATALOGUE FREE. Harper Eng. Co., Columbus, O.

GOLDEN BUFF ROCKS.

Only Stock for sale on approval.

O. C. LINK, Lincoln, Neb.

—I BREED—

BUFF PLYMOUTH ROCKS

up to standard requirements—Shepherd and Burdick strains. Eggs $2 per sitting in season. I have 15 Ancona cockerels; 10 Buff Cochins to close out. Write your wants.

C W. MOSES, Dunkirk, Ohio.

MADISON SQUARE GARDEN, N. Y.

Prize Winning Strain—Bargains!

The originator of the most popular strain of the most popular variety. Eight prizes and the American Buff Ply Rock Club's silver cup for best collection at New York, Feb. '98, and leading since '93. ANNUAL SALE now on breeders from $1.50 each. The bargain is yours now—rush. **J. D. WILSON.**

Box 127 A. **Worcester, N. Y.**

---

100 BARGAINS. 100

Must go to make room. Write me if you need any of this stock. Not culls but good stock.

Buff Plymouth Rocks, Buff Leghorns and B. B. R. G. Bantams.

S. A. NOFTZGER,
North Manchester, Ind.

Peerless Leg Bands.
Poultry Printing.
Rubber Stamps.

Circulars and sample leg band free. Get my prices on *up-to-date* printing and rubber stamps. "Peerless" Leg Bands *stay on* and *stay bright.* They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25 State breed.

B. F. Huntington, Platteville, Wis.

Light Brahmas

of Best Quality.

Also poultry foods that produce them. Young stock for sale. Prices right. Satisfaction guaranteed.

A. H. HILL, Wenona, Ill.

Silver Laced Wyandottes.

Won first place on pen wherever shown during winter of '97-'98, including the N. Central at Princeton, Feathered Stock at Peoria, and Illinois Valley at Henry. Many other prizes on singles and pairs. A lot of good stock for sale from pullets whose scores ranged from 90 to 92½, scored by Hewes, mated with a cockerel scoring 92½ by Russell. Cockerels, $2; pullets, $1. Write. W. L. Mills, Clear Creek, Ill.

BUFF LEGHORNS, ROCKS.

First honors at New York and Boston shows. A lot of breeders for sale CHEAP.

Eggs $3 per Sitting.

E. P. SHEPHERD, box 14, Croton Falls, N. Y.

White Wyandottes,

—AND—

Single and Rose-comb White Leghorns.

400 Cockerels for Shows **to be Sold Cheap.**

Address

B. C. SMITH, Elmira, N. Y.

Show at Independence, Mo.

The first show of the Jackson County, Mo., association was held November 25 to 27, 1898. Theo. Hewes was judge. William Bostian was secretary. The exhibitors were

J. W. Lenox, Lake City, Mo.

Mrs. W. D. Bass, 2028 Darby ave., Kansas City, Kan.

T. L. Crane and C. H. Black, Lee Summitt, Mo.

F. B. Reeve, Conner, Kan.

O. K. Gentry, Little Blue, Mo.

H. C. Short, Leavenworth, Kan.

Capps & Co., 768 Gibraltar Bldg., Kansas City, Mo.

Chas. Newcastle & Co., 120 Kansas ave., Kansas City, Mo.

A. D. Litten, Alanthus, Mo.

T. F. Weaver, Blue Mound, Kan.

H. L. Nichols, Marshall Mo.

The following exhibitors are to be addressed at Independence, Mo.:

John W. Faris, James Hinde, Jr., Stephen Parker, Mrs. Oscar Noland, J. R. Marsh, E. C. Rice, Robert Awens, W. V. Fanery, Mark Salisbury, E. D. Taylor, Edwin Schowengerdt, John T. Smith, A. G. Duncan, James Qurolla, Lester Brackenburg, N. Storms, Sauerbier Bros., Clarence Hill, William Bostian, Peter Munich, Claud Doty, J. A. Brackenburg, W. T. Jones, A. L. McBride.

The awards were:

Barred Plymouth Rocks—J. A. Brackenburg, 1st cock 90¼; hen 92¼; 2d cock 89¾; 2d pul 91½; 3d hen 90¾; 3d pen 181 9-16.

Bostian, 1st ckl 91½, pen 182 13-16; 2d hen 91¾; 3d ckl 90, pul 91½.

Faris, 1st pul 91¾; 2d ckl 91, pen 182 3d cock 89¾.

White Plymouth Rocks—Black, 1st cock 92; 2d hen 92½, ckl 91¾.

Capps & Co., 1st hen 94¼, ckl 94, pul 93¾, pen 187 3-16; 3d pul 93.

Brackenburg, 2d pul 93¼; 3d ckl 91¾.

Buff Plymouth Rocks—Litten, 1 pul 91½; 2d pul 90.

Silver Wyandottes—McBride, 1 cock 91¾; 2d ckl 90½, pen 182 1-16; 3d cock 90, ckl 90½.

Capps & Co., 1 hen 90½; 2d hen 91¼; 3d pul 92, pen 181 11-16.

Minich, 1st ckl 90¾, pul 92¾, pen 183 1-16; 2d cock 90½, pul 90¾; 3d hen 90½.

Golden Wyandottes—E. D. Taylor, all prizes. Cock 92, pul 92½; full list.

White Wyandottes—Capps & Co., all but 2d on ckl and 3d on hen to Reeve. Highest scorer 94 hen and ckl.

Black Wyandottes—All to Capps & Co., on 93, 92, 91 scores.

Light Brahmas—All to T. F. Weaver; 92 cock, 93 pullet.

Buff Cochins—All to William Bostian. Hen 93.

Partridge Cochins—All to E. D. Taylor. Cocks 92.

S.-c. B. Leghorns—Mrs. N. D. Bass, 1st cock 91, hen 93½, pullet 94; 2d pen 186; 3d hen 93, ckl 92½, pul 93¾; pen 184¼. Qurolla, 1st ckl 95, pen 188½; 2d pul 93¾. Flanery, 2d ckl 93¾.

S.-c. W. Leghorns—Sauerbier, all 1st, 93 cocks, 95 hen and pul; pen 187½. Short took 2d hen 94, pul 95, 3d ckl 91, pen 185.

R.-c. W. Leghorns—Chas Newcastle & Co., all prizes; hen 94 highest, also W. C. B. Polish and S. P. Hamburgs.

Buff Leghorns—Duncan, 1 ckl 90½; 2d pul 89; 3d pul 87. Parker 1st pul 92¼; 2d ckl 90.

Black Minorcas—Flanery, 1st cock 91; 3d hen 93½; 2d pen 183 13-16. Blackenburg took 2d pul 94 and 3d ckl 92½. All the rest to Bostian, 93½ hen, 94 pul.

S. S. Hamburgs—All to Newcastle & Co.

Houdans—Newcastle & Co., 1st cock 90¼, hen 90¾. The rest to Craine.

S. G. Dorkings—All to Newcastle. Also B. B. R. Games, and White Indian Games.

Cornish Indian GamesNewcastle, 1st cock 92. Flanery, 1st on all others, 93, 92; and 2d, except pul to Hinde. 3d to Flanery, hen and ckl., and pul to Hinde.

G. S. Bantams—Noah Storms, 1st cock 90½. Newcastle, 1st hen 91½; 2d cock 90. Rest to Storms.

B. C. Bantams—Newcastle, 1st hen 92½; 2d ckl 90. Minich, 3d ckl. Rest to Capps & Co.

Newcastle took on half a dozen other Bantam varieties, except 1st to Capps on R.-c. Black—cock 92½.

J. W. Lenox divided honors with Mrs. Norland on White Holland Turkeys. Bronze Turkeys went to W. J. Jones's credit, with 1st tom at 95, ckl 94. Salisbury won 1st on Black Turkey.

In the water fowl classes, Salisbury, Schowengerdt, Newcastle made good exhibits.

Pit games were well represented by Marsh, Newcastle and Gentry.

The ornamental classes were in evidence by these breeders.

The winners in the pigeon classes were E. E. Rice, C. Rice, Newcastle, Owens.

The collection prize went to Bostian, on 56 birds; also sweepstakes, 187 11-16.

The parti-colored sweepstakes went to James Qurolla, 188¾.

The largest exhibits next to these, were made by Newcastle, Capps, Bass, Taylor and Flanery.

The Kalamazoo Show.

The recent exhibit of the Southwestern Michigan poultry association held at Kalamazoo, Nov. 29th, to Dec. 2d, was a success in every particular, although so early in the season that many breeders of heavy fowls did not show so large a line as usual from the fact that they were hardly yet up to the usual weight. Notwithstanding this fact, however, it was the largest show ever held by the association, there being over four hundred birds on exhibition. Sharp Butterfield acted as judge, C. W. King, secretary.

B. B. R. Game. The highest scoring bird in the show by one-half point was a Bantam pullet that stood the test at an even 95.

Following is the score in full:

Barred Plymouth Rock—Hen 1st, 91¾; cockerel 1st, 91¾; pullet 1st, 93¼; pen 1st, 183⅜; E. W. Vosburg, Kalamazoo. Cock, 1st, 91¼; 2d, 90¾; hen 2d, 91½; hen 3d, 90; pullet 2d, 92; pen 2d, 182¾; C. W. Hudson, Kalamazoo. Cockerel, 2d, 91¼; 3d, 91; pullet, 3d, 91½; pen 3d, 181¾; S. H. Shattuck, Covert.

Buff Plymouth Rock—Cockerel 1st, 91; pullet 1st, 92¼; 2d, 92; 3d, 90¾; pen 1st, 182⅝; S. H. Shattuck. Cock 2d, 88: hen 2d, 87¼; 3d, 86½; cockerel 2d, 88; pen 2d, 177; T. E. Wood & Son, Comstock.

White Plymouth Rock—Cockerel 2d, 89¼; pullet 1st, 92½; 2d, 89¼; T. H. Harris Berne, Ind.

Silver Laced Wyandotte—Cock 2d, 90½; hen 1st, 91½; 3d, 90; cockerel 2d, 89¾; pullet 1st, 92; 2d, 90; 3d. 89½; pen 1st, 182⅜; John den Bleyker, Kalamazoo. Cock 1st, 90¾; hen 2d, 90¾; cockerel 3d, 88½; A. B. Pomeroy. Cock 3d, 90¼; Ed. Vrogendeweij, Kalamazoo.

Buff Wyandotte—Cock 1st, 93; 2d, 92; 3d, 89; hen 1st, 90¼; cockerel 1st, 90¼; 2d, 90¾; pullet 1st, 94¼; 2d, 93; 3d, 92¼; pen 1st, 185⅝; F. B. Ward, Pontiac. Hen 2d, 88½; cockerel 3d, 88¼; H. K. Pomeroy, Kalamazoo.

Golden Laced Wyandotte—Cock, 2d, 89½; hen 2d, 89, 3d, 87½; pullet 2d, 88½; 3d, 88; pen 1st, 178¾; W. F. Winterburn, Kalamazoo.

White Wyandotte—Hen 1st, 94; 2d, 91½; cockerel 3d, 88¼; pen 2d, 179¼; P. Buskirk, Richland. Hen 3d, 91¼; pen 3d, 176⅝; T. H. Harriss. Cockerel 1st, 92¼; pullet 1st, 91½; 2d, 90¾; 3d 90; pen 1st, 182¾; Mrs. A. S. Packard, Covert. Cock 2d, 89; H. H. Mulder, Kalamazoo. Cockerel 2d, 89¼; C. W. Hudson.

Buff Cochin—Cockerel 1st, 91¾; 2d, 91¼; 3d, 90½; pullet 1st, 94; 2d, 93½; 3d, 92½; pen 1st, 184⅞; 2d, 183¼; S. E. Wood & Son.

Partridge Cochin—Cock 1st, 93½; hen 1st, 91; 2d, 89½; pullet 1st, 94; 2d, 93¼; 3d, 91¾; pen 1st, 186⅛; 2d, 182; John C. Stelwagen, Wayne.

Light Brahma—Cock 2d, 89½; hen 1st, 90¼; 2d, 89½; cockerel 1st, 92; 2d, 90; 3d, 89½; pen 1st, 184; C. F. Bissell, Richland. Pen 2d, 177; Austin Lincoln, Kalamazoo.

Red Cap—Cockerel 1st, 92¼; 2d, 90½; pullet 1st, 90½; 2d, 90¼; D. C. Hoedemaker, Charlotte.

S. S. Hamburg—Cock 2d, 85½; hen 2d, 89½; 3d, 89½; cockerel 2d, 89; 3d, 86; pullet 1st, 90½; 2d, 89½; 3d, 89; pen 1st, 178¾; 2d, 174⅝; J. Van Werden, Kalamazoo.

Langshan—Cockerel 1st, 90; 2d, 88¼; pullet 1st, 91; 2d, 91; H. V. Van Brook, Kalamazoo.

Minorca—Hen 1st, 93¼; 2d, 92½; 3d, 92½; pullet 2d, 86; Gilmore L. Phillips, Kalamazoo. Cockerel 1st, 92½. Chas. H. Hazard, Kalamazoo.

Buff Leghorn—Cock 2d, 88¼; H. K. Pomeroy; cock 3d, 87½; hen 1st, 90¼; 2d, 89¾; cockerel 1st, 92½; 2d, 92; 3d, 91¾; pullet 1st, 92½; 2d, 92; 3d, 92; pen 1st, 184½; 2d, 183⅜; 3d, 181⅞; Carr Bros., Kalamazoo. Hen 3d, 88; T. E. Wood & Son.

Single Comb White Leghorn—Cock 2d, 88¾; hen 1st, 91½; 2d, 91¼; 3d, 91¼; cockerel 1st, 93¾; pen 1st, 185⅛, 3d, 182½; H. H. Mulder. Cock 3d, 85½; cockerel 2d, 92½; pullet 1st, 92¾; 2d, 91½; 3d, 91½; pen 2d, 184¼; Carr Bros. Cockerel 3d, 91¾; J. D. Rouse, Charlotte.

Single Comb Brown Leghorn—Cock 2d, 88¾; hen 1st, 93½; 2d, 93¼; cockerel 1st, 94½; 3d, 92½; pullet 2d, 92¾; pen 1st, 187½; 3d, 184½; Carr Bros. Cockerel 2d, 93¾; hen 3d, 92¾; pullet 1st, 93½; pen 2d, 184½; King & French, Kalamazoo.

Rose Comb Brown Leghorn—Cockerel 1st, 91½; pullet 1st, 92¼; S. E. Cook, Charlotte.

Indian Game—Cockerel 1st, 93; 2d, 92; pullet 1st, 90½; 2d, 90½; pen 1st, 182⅝; Frank Meyer, Kalamazoo; cockerell 3d, 91; pullet 3d, 90½; Ralph Klimp, Kalamazoo.

Bl. R. R. G. Bantam—Hen 1st, 93¼; pullet 1st, 95; Allen E. Vosburg, Kalamazoo.

Ouachita Valley Poultry Farm.

LARGEST IN THE SOUTH.

We have beyond any doubt the grandest lot of young birds ever raised for exhibition and breeding purposes. W• never fail to win in the show room, winning last season over 287 prizes on our specialties.

Light Brahmas, C. I. Games,
Barred Plymouth Rocks,
Wild & Bronze Turkeys,
Buff Cochins, S. L. Wyandottes,
Brownie Pit Games,
Pekin Ducks.

Just a trial order will convince any one as to our square dealing and the high quality of our stock. Guaranteed to please. Eggs $3. Stock from $2 up.

G. W. BROWN, Prop.,
Camden, Ark.

Send for a sample copy of the Cotton Belt Journal.

HENS LAY BEST

when provided with Egg-making food. Our Prepared Meat, Granulated Bone and Oyster Shell are actual Egg producers. Our Oyster Shell Meal and Bone Meal especially adapted to incubator chicks. Eight sample bottles in case by mail for $1. Splendid opportunity for bright women to make money. Write for particulars.

FITCH FERTILIZER WORKS, Bay City, Mich.

BRABAZON'S POULTRY CATALOGUE FREE! It's a beauty, over 50 colored plates. Illustrates and describes fine Turkeys, Geese, Ducks and chickens; gives prices of fowls & eggs. Finest Buyer's Guide published. Inclose 10c. for postage, etc. J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

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L. S. CARTER & CO., Hammond, Ill.—The Central Illinois Poultry Yards offers extra fine B. Langshan and White P. Rock females at $1 each or $10 per dozen. Extra fine stock. 12-3

S. B. McFARLAND, Sunbury, O.—Again my S. S. Hamburgs, G. Wyandottes and W. C. B. Polish wins at Sunbury poultry show, with scores as high as 94 by McClave, Winners for sale. 12-3

LANGSHANS—Black and White. My entire breeding stock for sale cheap; also a fine lot of early chicks ready for fall fairs. S. H. Bird, Beaver Dam, Wis. 11-3

LARGE ENGLISH RUNTS and Squab breeders. At Chicago, '98, took 7 firsts, 5 seconds, 4 thirds. Stock for sale at all times. Write for prices. John M. Riel, 122 Cortez st., Chicago, Ill. 2-1 yr

BUFF LEGHORNS and Buff Rocks—Grand layers, size and color. Winners in hot company—will win again. Extra fine birds, with color to burn, for sale. Thos. H. Mills, Port Huron, Mich. 4-98-1y

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F. E. WEST, Darlington, Wis.—Games—Exhibition Red Pyle and Black Breasted Red Pyles; are from 1st prize cockerel at Chicago. Black Breasted Red cockerel scored 94½. Send stamp for circular. 11-3

L. A. LYDICK, Box 576, South Bend, Ind.—Partridge Cochins exclusively, Corless' strain; 75 for sale. Are bred from my prize winners of last winter's shows. 11-3

MRS. C. W. NEWELL, Wilmington, O.—Indian Games, Barred and White Plymouth Rocks, Partridge Cochins, Light Brahmas and Belgian Hares. Birds with scores by Pierce after Nov, 24. Satisfaction guaranteed. 11-3

SCHWAB BROTHERS, Rochester, N. Y.,—Barred Plymouth Rocks that have won at Washington, Toronto, Chicago, Buffalo, etc., a choice lot of cockerels and pullets at right prices. Satisfaction guaranteed. Catalogue free. 12-3

F. G. FAIRBANK, De Ruyter, N. Y.—White Plymouth Rocks—large vigorous stock for sale. Eggs, $2 per sitting, and every bird in the pen scoring above 90. Good hatch guaranteed. 1-3

WALTER A. WAGNER, Chenango Bridge, N. Y.—White Plymouth Rocks. At Binghamton, '98, 1st pen, hen, cockerel, pullet, 2d cock, chicks. Eggs, $2 per 15. 1-3

SCHUNEMUNK POULTRY YARDS, Nelson Brusie, Salisbury Mills, N. Y.—Buff Plymouth Rocks, Rose-comb Buff Leghorns, prize winners at Newburg, N. Y., Middletown, N. Y., and Walden, N. Y. Write. 1 3

T. S. HEWKE, May's Landing, N. J.—White Wyandottes exclusively. Stock for sale. Prize winners. Beauties as well as best general purpose fowl. Large, vigorous birds. Eggs $2 per sitting. 1-3

S. J. MARTIN, Titusville. Pa.—Breeds Single-comb White and Buff Leghorns that are strictly first class Buffs, imported direct to my yards. Square dealing and stock as represented or money refunded. Eggs for hatching my specialty. New circular and price list for 1899 is now ready. Correspondence a pleasure. 1-3

MARGARET GREENWOOD, Loami, Ill.—Silver Laced Wyandottes for sale. Cockerels, $1 and $2 each; pullets, 75 cents. White Holland Turkeys. Toms, $2; hens, $1.50. Wyandotte eggs $1.50 per 15. 1-3

E. A. SCHILLER, Beaver Dam, Wis.—White Wyandottes exclusively—A. F. Hunter and Arthur Duston strains. A lot of fine young stock for sale. Can furnish score card after Dec. 13, '98, by Hewes. Eggs in season, $1 for 13. 12-6

WYANDOTTES—Golden, Buff and Partridge. I now own most of McKeen's best yards, bought from his widow. My own have won 34 first and second prizes at Mid-Continental, Kansas and Nebraska State shows in 3 years. Stock and eggs for sale. W. A. Doolittle, Sabetha, Kas 3-1 yr

B. WENK, Washington, Ill.—White Wonders, one of the best all purpose fowls. Young and old birds for sale. Also two extra good White Cochin yearling males. 11-3

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FOR SALE—Black Langshans. I can spare a few choice cockerels and pullets bred from birds all scoring 95 by Russell. Eggs in season. Write your wants. T. G. Anthony, Wenona, Ill. 1-3

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Dates Claimed.

1898.

[The following list of show dates for poultry associations is from the columns of the American Fancier, published weekly at Johnstown, N. Y., by J. H. Drevenstedt.—ED.]

Jan. 2-5—Stockton, Kas. Rooks Co. P. Ass'n. N. H. Neher, Sec'y. C. H. Rhodes, Judge.

Jan. 2-6—Oklahoma City. Oklahoma State Poultry Ass'n. L. F. Laverty, Sec'y. Guthrie, O. T.

Jan. 2-7—Freeport, Ill. Illinois Fanciers' Ass'n. G. W. Sword, Sec'y. Chas. McClave, Judge.

Jan. 2-7—Iowa State Poultry Show, Davenport, Ia. J. B. Voss, Sec'y.

Jan. 2-7—Buffalo, N. Y. Buffalo Poultry Ass'n. E. C. Pease, Sec'y.

Jan. 2-7—Oskaloosa, Iowa. Iowa State P. Ass'n. C. C. Harris, Sec'y.

Jan. 2-7—New Albany, Ind. Southern Ind. P. Ass'n. Frank Heck. Sec'y. I. K. Felch, Judge.

Jan. 3-6—Crete, Neb. Blue Valley Poultry Ass'n. Geo. H. Trout, Sec'y. L. P. Harris, Judge.

Jan. 3-6—Grand Ridge, Ill. Grand Ridge P. Ass'n. T. E. McMullan, Sec'y. Theo. Hewes, Judge.

Jan. 3-6—Essex, Mass. Essex County Poultry Ass'n. A. W. Tyler, Sec'y.

Jan. 3-6—Worcester, Mass. Central Mass. P. Ass'n. C. A. Ballou, Sec'y. Atherton, Knapp, Lambert, Judges.

Jan. 4-6—Danbury, Conn. Western Connecticut Poultry Ass'n. Fred Borman, Sec'y.

Jan. 3-7—Memphis, Tenn. Miss. Valley P. Ass'n. C. R. Barr, Sec'y. B. N. Pierce, D. T. Heimlich, Judges.

Jan. 4-7—Boonville, Ind. Southwestern Indiana Poultry Club. W. J. Hargrave, Sec'y.

Jan. 4-7—Canton, O. Canton P. Ass'n. J. H. Seeton, Sec'y. L. G. Jarvis, Judge.

Jan. 4-9—Sibley. Ill. Sibley Poultry Ass'n. W. B. Harvey, Sec'y.

Jan. 4-10—Detroit, Mich. Michigan State Poultry and Pigeon Ass'n. F. W. McKenzie, Sec'y, Concord, Mich.

Jan. 5-7—Glasco, Kas. Glasco P. Ass'n. M. E. Potts, Sec'y. C. H. Rhodes, Judge.

Jan. 8-14—North Manchester, Ind. North Manchester P. Ass'n.

Jan. 9-13—Rochester, N. Y. Rochester Fanciers' Club. W. O. Ingle, Sec'y.

Jan. 9-14—Topeka. Kas. Kansas State P. Ass'n. J. W. F. Hughes. Sec'y. C. H. Rhodes, Judge.

Jan. 9-14—Chicago, Ill. Joint Show Illinois State Poultry, Pigeon and Pet Stock Ass'n and National Fanciers' Ass'n of Chicago. L. H. Fuller, 115 Dearborn st., Chicago, Sec'y.

Jan. 9-15—Toronto, Canada. The Poultry Ass'n. of Ontario. Thos. A. Brown, Sec'y, London, Canada.

Jan 10-13—Lincoln, Ill., Logan Co. P. and P. Ass'n. F. A. Hickman, Cor. Sec'y. A. B. Shaner, Judge.

Jan. 10-13—Milford, N. H. Milford Poultry and Pet Stock Ass'n. E. B. Burns, Sec'y.

Jan. 10-14—Washington, D. C. National Poultry and Pigeon Ass'n. W. Seymour McLeod, Sec'y. Judges, D. A. Nichols, D. J. Lambert, Geo. O. Brown, Jos. Gavin and Jas. Blair.

Jan. 10-14—Little Rock, Ark. The Arkansas State Poultry Association. H. B. Savage, Judge; W. H. Westbrook, Pine Bluff, Ark., Sec'y.

Jan. 10-14—Nashville, Tenn. Nashville P. Ass'n. J. M. Hopkins, Sec'y. F. J. Marshall, Judge.

Jan. 15-21—Lincoln, Neb. Nebraska State P. Ass'n. E. A. Pegler, Sec'y. Theo. Hewes, Judge.

Jan. 16-20—Louisville. Ky. Kentuck State Poultry Ass'n. Judges, H. A. Bridge, Columbus, O.; W. S. Russell, Ottumwa, Ia. Sec'y, W. T. Druien.

Jan. 16-20—Carey, Ohio. Carey Fancy Breeders' Club. W. S. Payne, Sec'y. Chas. McClave, Judge.

Jan. 16-20—Carey, Ohio. Carey Fanciers' Poultry Ass'n. V. C. Lyth, Sec'y. Charles McClave, Judge.

Jan. 16-21—Denver, Col. Colorado State Poultry Ass'n. Frank E. Kimball, Sec'y, 1541 Blake st., Denver. I. K. Felch, Judge.

Jan. 16-21—Kingfisher, Oklahoma. Central Oklahoma P. Ass'n. H. F. Stephenson, Sec'y. C. H. Rhodes, Judge.

Jan. 16-21—Cedar Rapids, Iowa. Western Poultry Fanciers' Ass'n. C. H. Playter, Sec'y. B. N. Pierce, D. J. Lambert and George Ewald, Judges.

Jan. 16-21—Louisville, Ky. Kentucky State Poultry Ass'n. W. J. Druien, Sec'y. W. S. Russell and H. A. Bridge, Judges.

Jan. 17-19—Newburg, N. Y. Walkill Valley Poultry, Pigeon and Pet Stock Ass'n. W. Q. Minturn, Supt. of Poultry. Hector W. Millspaugh, Sec'y, Walden, N. Y.

Jan. 17-20 Ottawa, Kas. Franklin Co. Poultry and Pet Stock Ass'n. L. L. Porter, Sec'y. J. W. Wale, Judge.

Jan. 17-21—Elmira, N. Y., Elmira Poultry Ass'n. E. W. Andrews, Sec'y.

Jan. 18-20—Charlotte, N. C. Charlotte Poultry Ass'n. W. N. Barringer, Sec'y. D. M. Owen, Judge.

Jan. 18-25—Logansport, Ind. North Central Indiana P. Ass'n. Sol. D. Brant, Sec'y. S. B. Lane, H. A. Bridge, Judges.

Jan. 19-23—Boston, Mass. Boston Poultry Ass'n. Arthur R. Sharp, Sec'y, Taunton, Mass.

Jan. 23-26—Painesville, O. Painesville Poultry, Pigeon and Pet Stock Ass'n. H. Z. Brainard, Sec'y. Chas. McClave, Judge.

Jan. 23-28—Indianapolis, Ind. Indiana State Poultry Ass'n. Thos. W. Pottage, Sec'y. B. N. Pierce and J. A. Tucker, Judges.

Jan. 24-27—LeMars, Iowa. Plymouth Co. Poultry and Pet Stock Ass'n. G. A. C. Clarke, Sec'y. F. H. Shellabarger, Judge.

Jan. 24-28—Spokane, Wash. Spokane P. Ass'n. John L. Mercer, Sec'y. Theo. Hewes, Judge.

Jan. 24-28—Winona, Minn. Winona P. Ass'n. Henry Hess, Sec'y. W. S. Russell, Judge.

Jan. 25-27—Mason City, Iowa. Cerro Gordo Co. Poultry and Pet Stock Ass'n. Jno. D. Reeler, Sec'y. A. B. Shaner, Judge.

Jan. 25-31—Utica, N. Y. W. J. B. Williams, Sec'y, Holland Patent, N. Y.

Jan. 31-Feb. 3—Henry, Ill. Illinois Valley Poultry Ass'n. R. Freece Burt, Sec'y. B. N. Pierce, Judge.

Jan. 31-Feb. 4—Tacoma, Washington. Tacoma Poultry Ass'n. C. C. Johns, Sec'y. Theo. Hewes, Judge.

Jan. 31-Feb. 4—New York. New York Poultry and Pigeon Ass'n. H. V. Crawford, Sec'y. Montclair, N. J.

Feb. 6-9—McCook, Neb. McCook P. Ass'n. J. S. LeHew, Sec'y. Theo. Hewes, Judge.

Feb. 7-11—Washington Court House, Ohio. Southern Ohio P. Ass'n. W. R. Dalby, Sec'y.

Feb. 11-15—New Orleans, La. Louisiana P., P. and P. S. Ass'n. Geo. A. Eyrich, Box 714, Sta. C. New Orleans, La., Sec'y. D. M. Owen, poultry judge.

Feb 16-22—Columbus, O. Central Ohio Fanciers' Ass'n. J. C. Rowe, Sec'y. H. A. Bridge, Chas. Kramer, B. N. Pierce, Judges.

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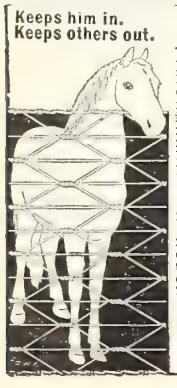

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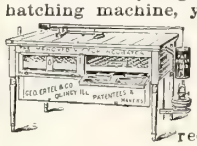

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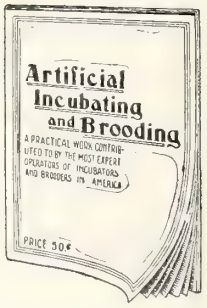

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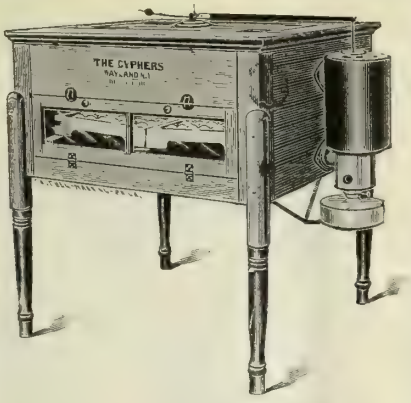

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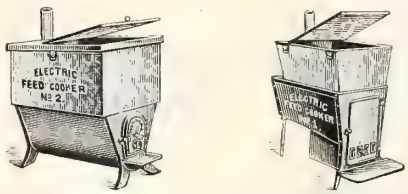
The advantages arising from cooking food for live stock considered from the point of the increased digestibility of feed, to say nothing of the great saving of grain, is well understood by our readers.

The cooking of food is in reality the first step in digestion. The breaking down of the cellular substance, the conversion of one mechanical sub-



stance into another, etc., means simply so much relief to the digestive organs of the animal. It means that cooked food is more easily digested and more readily assimilated — converted into blood, viscera, flesh fibre, milk, etc., by the animal economy. As all food is just so much fuel fed to the animal to be burned up and consumed by the process of digestion, the feeding of warm cooked food means the saving of a large amount of fuel—food.

A good machine for that purpose is the Electric Feed Cooker, made by the Electric Wheel Co., of Quincy, Ill. Write the Electric Wheel Co. for price list and circulars before buying a cooker of any kind.

THE STATE OF WASHINGTON.

You can find more progressive farmers and poultrymen in the State of Washington than in any other State of the same population. The people of this section are putting in all of the best, such as good cattle, stock, swine and poultry. The progressive people of the older States are coming in and settling up the lands. Land can be purchased at very reasonable figures, either government or railroad.

The Pacific Poultryman (Harry H. Collier, Editor), Tacoma, Washington, reaches all the new settlers as well as all of the poultrymen. This journal is progressive and up to date. A sample copy may be obtained by sending five cents in stamps, or fifty cents will bring the paper to you for a whole year.

ROCKFORD, ILL.

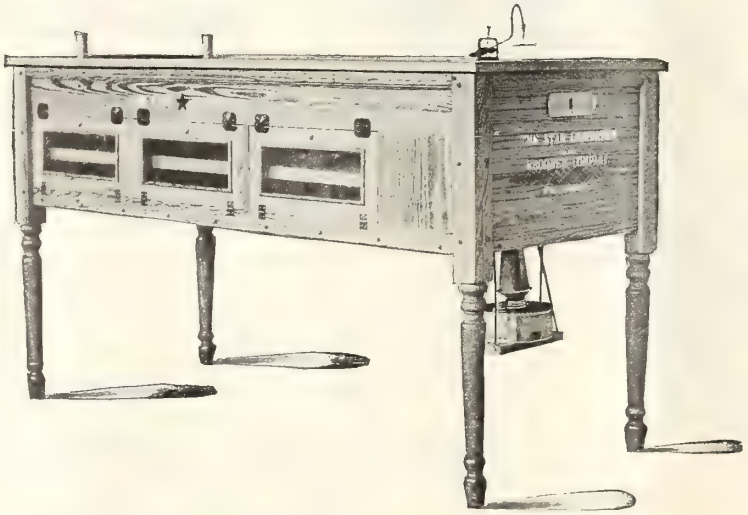
The Northern Illinois Poultry show at Rockford will be larger than ever before. There are expectations of 2,000 entries, and exhibitors will find a hot class. Address Dr. P. W. Ranson, Rockford, Ill.

ERIE, PENN.

The N. W. Penna. association will hold its fifth show at Erie, January 12 to 17, with Chas. McClave as judge of poultry and Theo. Johnson, judge of pigeons. Cooping free. Entrance 15 cents a bird. No extra charge for pens. No list. Address A. E. Blethen, Erie, Pa.

NO MOISTURE TO BE SUPPLIED.

Ventilation Without an Equal. Regulation Perfect.



Are a few of the points of excellence in

THE STAR INCUBATOR.

Our new catalogue will fully describe it to you, and is FREE. Send for it.

STAR INCUBATOR & BROODER CO., Bound Brook, N. J.

ENTIRE SALE.

On account of change of business I offer for sale my entire stock of 40 varieties of poultry. Prize winners, breeders, young stock and all (none reserved). Incubators and brooders. Any party wanting a bargain in my line will do well in writing me their wants and send 10 cents for a mammoth catalogue of poultry, giving all prizes won in the last three years.

E. H. COOK, Huntley, Ill.

2000 PREMIUMS

were awarded my fowls at 12 State Shows in 1898. LARGEST RANCH in the west. We breed sixty varieties of choice land and water fowls. They are FARM GROWN which makes them strong and thrifty.

FOWLS & EGGS FOR SALE

Send five one-cent stamps for new large illustrated catalogue.

CHAS. GAMMERDINGER, Box 48, COLUMBUS, OHIO.

One of the Chicago Winners.

The Higley Light Brahmas

Claim individual merit by inheritance: no guess work, but bred from a long line of pedigreed ancestors.

They Have an Unsurpassed Record in the West.

Exhibition cocks, hens, cockerels and pullets for sale. Send for illustrated circular.

Breeding Cockerels Birds that will stamp color and shape on the progeny, **$3.00 to $5.00.**

WILLOWHURST BRAHMA YARDS, Cedar Rapids, Iowa.

Prairie State Incubator Co.'s

Mammoth Display of

INCUBATORS and BROODERS

at great Mid-Continental Poultry Show, Kansas City, Mo., January, 1897.

Winning 1st, 2d and 3d Premiums on Incubators.

Winning 1st, 2d and 3d Premiums on Brooders.

Hatching over 3000 chicks while on exhibition.

—Prairie State Received—

241 FIRST PREMIUMS 241

Used exclusively on the largest poultry and duck farms in the world. Customers using from 20 to 60, 300-egg machines. Used exclusively on the U. S. Agricultural Farm, at Washington, D. C. Two styles of machines, class A and class B. Our Catalogue will interest you. Send for one. All machines warranted.

PRAIRIE STATE INCUBATOR CO., Homer City, Pa.

COMPOUND
SPONGIA TABLETS
For Roup.
Clean, most effective and easily administered cure.
200 in a Box.
35c per box; 3 boxes $1.00,
with full directions.
Send 35c in stamps for trial box and you will never again allow yourself to be without them.
W. W. HOGLE,
1019 Benson Ave., Evanston, Ill.

ROSE-COMB BROWN LEGHORNS,
EXCLUSIVELY.
Chicago Winners.
Won 4 firsts, 2 seconds, 1 third and 2 fifths at Chicago, '98, in strong competition. Choice stock for sale. Write your wants and get pr ces.
C. J. LANCASTER, Maywood Cook Co., Ill.

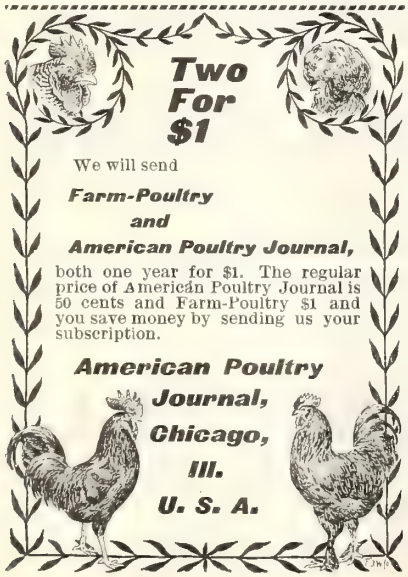
A. Z. COPELAND, Potomac, Ill.,
Breeder of White Holland Turkeys, White Ply. Rocks, Golden S. Bantams and Poland-China Pigs of best blood. Nothing but good stock shipped.

A Bargain in S-comb Br. Leghorns.
Will sell some of my breeding stock, most of them have been scored, from $1 to $1.50 apiece. Also some early hatched chicks. Send for circular.
C. F. LANG, La Crosse, Wis.

Bargains!! Closing Out!!
ENTIRE STOCK AT HALF PRICE.
LIGHT BRAHMAS—Standard bred, farm raised. State wants.
POULTRY FOODS of all kinds.
FARM SEEDS—Corn, Oats, Wheat and Potatoes. Finest seeds and best yielders grown. Send for price list. J. G. LEMBKE, Griswold, Iowa.

Partridge Cochins
STRICTLY HIGH GRADE.
A limited number of young birds for sale at reasonable prices. Eggs in season.
Watch for my birds at the Chicago Show, Jan. 9-14, 1899.
W. L. LANDIS, Melrose Park, Ill.

White Leghorn Poultry Farm.
J. J. Burnside, Milligan, Ind.,
Breeder of Single-comb White and Brown Leghorns, Buff Cochins, Golden and White Wyandottes, Black Spanish, Houdans, Light Brahmas and Pekin Ducks. 16 years a breeder.



Poultry Comfort.

It is wonderful what a variety of articles there are in everyday use for what might be called "hen housekeeping." Prepared foods, appetizers, clover preserved from last summer, ground bone and oyster shells for making egg shells, incubators to do the hatching and brooders to shelter the young chickens, vermin killers, charcoal, leg bands, all have been made for the chickens. It is very well recognized that if the poultryman wants plenty of eggs in winter and good, strong, healthy chickens in spring he must make his flocks comfortable. The poultry industry is of vast importance. It is one of the most extensive agricultural pursuits in the United States. No force recognizes this more completely than the great poultry supply house of Johnson & Stokes at 217 Market St., Philadelphia. It is the largest dealer in poultry supplies in the country, and has a splendid reputation for strict integrity. This firm has recently issued a complete and fully illustrated catalogue of poultry supplies. It also carries a supply of fancy poultry, thoroughbred Scotch Collie dogs, pigs, sheep and seeds.

Artificial vs. Natural Method.

Some years ago the writer read in a poultry journal an article from the pen of one of our oldest breeders, in which it was stated that chicks hatched by an incubator could not mature into high class show specimens of equal quality to those hatched by hens. This statement has always claimed my thought, and for years it has always been my wish to test the facts in the case. The past year the opportunity presented itself for the trial and it is now my pleasure to give to the public the result of the test.

In February last we purchased from Elmwood Farm a "Star Incubator," in which during the past season we made a number of hatches; in every hatch the machine produced as great a per cent of living chicks, from Buff Cochin, Partridge Cochin and Cochin Bantam eggs as was produced during the same period from eggs from the same yards, under hens. The chicks hatched by the machine were just as fine looking and grew as well as did those hatched under hens. The down of the Cochin chicks was as long, and in every way fully equal to any hatched under hens. No moisture was used at any time during the season within the machine, and the four thermometers in different parts of the machine all registered alike, or as near as possible for any four registers under any conditions to correspond.

The chicks were reared side by side and all fed alike, and it is now impossible to detect any difference in the grown fowls, either Cochins or Bantams. Some of the very best specimens we have are those hatched in the machine. Some Cochin pullets that were hatched in March began to lay in September. Two Partridge Cochin Bantam pullets hatched at the same time in the machine began to lay at under six months of age, and we have two broods of chicks from their eggs that are doing nicely. Some of the specimens so hatched have worn blue ribbons at fall fairs, and others have spoken their quality at the early winter shows.

We have tried other machines, but our experience with the "Star Incubator" is by far the most satisfactory in producing fine healthy chicks. Some machines will turn the down upon young Cochins as if singed by the heat. None of the chicks hatched in the "Star" showed any sign of their down being shortened or injured by the machine.

We hope to be able to show some specimens at Boston and New York that will prove beyond question that fowls hatched in a "Star" incubator can win in close competition.

T. F. McGrew, New York City.
Geo. B. Randolph, Weston, N. J.

Sore Heads on Fowls.

[In reply to request for information regarding the disease in C. M. Kelly's Langshans, which took the form of pale comb, white around eyes, fever, sores on head and body, dull plumage, etc., we have received the following letter. It was probably a transmitted blood disease that does not appear in immediate ancestors.—Ed.]

"During the past few years both I and my neighbors have had cases like this one. A Black Minorca and a Leghorn were similarly affected. Blisters appeared on the back; then comb grew pale; lumps grew as large as eggs; sores came. I thought it a form of chicken pox, or a blood disease. It did not, however, seem to be contagious. I killed the sick birds. I believe in-breeding is liable to produce such troubles. I don't care to learn more about this by experience, but if I ever see such symptoms again I shall kill the birds.

"A. C. Hunt."

Kansas City, Mo.

Send for the catalogue of the Kansas City show to be held January 18 to 25. Special and cash prizes. Bert Ross, 769 Gibraltar Bldg, Kansas City, Mo.

AN OPEN LETTER

to the Readers of American Poultry Journal.

THE J. W. Miller Co., of Freeport, Ill., wish to announce to you that they are extensively engaged in the breeding of Standard Poultry. They have made this their exclusive business for years, in fact, are giving the best years of their lives to the work of trying to improve the poultry on every farm in the country. If you are interested in "better poultry and more of it," and we are sure of this, for if you are not you would not be reading this paper and this letter, we ask you by all means to send for our great catalogue, which will be mailed to you free if you will state that you saw our announcement in this paper.

MR. J. W. MILLER.

Common-sense is what you should use when buying Standard-bred poultry. There are a great many breeders of poultry, all claiming to have the best, but what you want to know is, who will give you the best satisfaction and the best value for your money. We have thousands of customers who are well pleased with our stock and our way of doing business. If you are breeding poultry at the present time, or expect to in the near future, it will be necessary for you to purchase either fowls or eggs to begin with, or in order that you may introduce new blood into your flock.

We are breeding on several farms, forty-two of the most popular varieties of poultry, including chickens, ducks, geese and turkeys. Our fowls are all farm raised, and therefore strong and vigorous and just such stock as you should have to start with, or to put new vigor into your present flock. We do not claim that our fowls are better than those of any other breeder, but we do claim that, prices considered, we can and do give more for your money than any other breeder will that we know of. Our surplus this year consists of a fine lot of choice specimens, and we are making special low prices, same to continue until our surplus is all sold.

We publish each year the best catalogue sent out by any breeder of Standard poultry. As evidence of the amount of business we do, we will simply state that we have issued for the season of 1898 1899, 40,000 copies of our catalogue. To be able to establish a business of this magnitude means that we have conducted our business on an honorable basis and treat our customers right. This season's catalogue is brim full of valuable information for any one interested in poultry. It tells all about our poultry, is finely illustrated, gives prices of our fowls and eggs, tells you how to care for and feed your poultry, gives valuable remedies for poultry diseases, plans for poultry houses and much other valuable information regarding poultry. As stated above, if you will mention American Poultry Journal when writing to us, we will send you this book free of charge, the regular charge for which is 15 cents per copy.

Permit us to say that we are always prepared in season to fill large orders of breeding stock suitable for broiler purposes, also eggs from Plymouth Rocks, Wyandottes, etc., in hundred or thousand lots at reasonable prices. Where large shipments are required, it is always best to write us full particulars and we will quote you prices by return mail. We are prepared to furnish very fine Pekin Ducks in large numbers, also Pekin duck eggs by the hundred or thousand. Send at once for a copy of our poultry catalogue and guide, then send us particulars about the fowls or eggs you want to buy and we will answer promptly, giving you our lowest price. Address

THE J. W. MILLER COMPANY,

Box 444,

FREEPORT, ILLINOIS.

UNIVERSAL HATCHER AND BROODER.
Factory of E. W. Andrews & Co., Elmira, New York.

UNIVERSAL HATCHER AND BROODER.

The Universal Hatcher and Brooder, made by E. W. Andrews & Co., Elmira, N. Y., are constructed on scientific principles, from the very best materials, by expert workmen. They are noted for their elegance of design, beauty of finish, and durability. They are supplied with a moisture regulator, which is a simple yet meritorious device. The success achieved by this firm is attributed to care in selecting materials, skill of the workmen, and the adoption of important improvements. The factory is on Railroad avenue, near Church street, a two-story building, lighted with electricity and supplied with the latest styles of machinery. A visit to this place will satisfy the most critical that the productions of the firm are first-class. The prices are low. Send for a catalogue.

"Jeffie R. Hudson, of Hardin Springs, Ky., is sadly unfortunate, being a cripple and deaf mute. He is endeavoring to make an honorable living by doing job printing. His specialty is poultry printing, and to any of our readers who have such work to be done we recommend Mr. Hudson. He has a complete line of poultry cuts for letter head and envelope printing, and facilities for doing good work. We have samples of his work advertised on another page of this paper and his work is handsome and artistic. 1-2

Hardy Poultry grown in Minnesota that will stand any climate.

Barred Plymouth Rocks
Light Brahmas
Mam. Bronze Turkeys.

Breeders and Exhibition Birds.

R-c. Brown and White Leghorns
Pekin Ducks.

I give the poultry business my entire attention, guaranteeing satisfaction. Write for catalogue and prices.

A. A. GRAY, Box A. 347, Redwood Falls, Minn.

AT WEST LIBERTY, IOWA,

last month in a show overflowing with goods birds, I won on

BARRED PLYMOUTH ROCKS,

1st pen, 1st cock, 1st and 3d hen.

ON S-C. BROWN LEGHORNS

I won 1st and 2d cock, 1st and 2d hen, 1st and 3d pullet and 2d pen.

This, together with my record at Chicago and Danville last winter, should convince you that I breed the best.

HIGH SCORING OR GOOD BREEDING BIRDS REASONABLE.
WILL HAVE SAME DANDIES FOR DELIVERY AFTER THE CHICAGO SHOW. WRITE NOW.

C. A. DAMON, 2470 Monroe st., CHICAGO, ILL.

Hartnest Strain Light Brahmas

Profit in Poultry Raising

Being badly crowded for room, I have decided to obtain relief by

Sacrifice Sales:

Offering Sons and Daughters of my No. 40 (210 egg record) birds, $5 each; No. 94 (197 egg record) birds, $4 each. Former price, $10 and $8 respectively. Balance being get of 160 and 180 egg hens, $2.50 and $3 each.

One of my birds hatched July 10, '97, began laying Jan. 14, '98, and laid 212 eggs to Oct. 2—more than three times her own weight.

Details by correspondence. Great Egg Birds.

HARTNEST POULTRY YARDS,
Framingham, Mass.

EUREKA NEST BOX

Shows which hens lay and number by each. Building plans and permit for personal use, $3. Circular for stamp.

MICA-CRYSTAL.

Sixth Year of Successful Introduction.

The Standard Poultry Grit of America.

It has been a slow and laborious undertaking to convince poultry users of the true worth and merit of "Mica-Crystal Grit."

The fact that the sales have doubled each succeeding year would seem to imply the retention of old, and the addition of new, customers.

So we are encouraged to go on with the manufacture of hen's teeth of the latest and most approved style.

Below are a few reasons why "Mica-Crystal Grit" fills the bill to its fullest capacity:

If poultrymen in purchasing **Grit** would keep in mind the fact that what they want is a **Grinder,** common experience should then teach them that the first test of a **Grinder** is its **sharpness,** and second, its **ability to remain sharp,** or the possession of some quality that permits it to **resharpen itself;** the fact that it possesses other qualities (more or less beneficial to the poultry), while they add to the value of the grit, are of but secondary consideration.

Crushed oyster shells, although apparently hard, and possessing sharp edges, are so largely composed of lime, that they are **practically dissolved** by the fluids in the crop, and such portions of them as do remain are **useless for grinding purposes** when they reach the gizzard

Many people simply consider the looks of the article, forgetting that the **natural instinct of the fowl** is a better guide than the "eye of the master."

Again a grit may be made of too hard or too soft a substance. If too hard, the action of the gizzard will soon reduce the sharp substance to a **smooth pebble,** something that will **slowly crush,** but **never grind;** if too soft, **LIKE ALL LIMESTONE GRITS,** they quickly go to pieces, without accomplishing the desired results.

It is in such a practical consideration of the different kinds of grit now offered for sale on the market, that the true worth of "Mica-Crystal Grit" is seen and understood, and entitles it to be call the

Monarch of the Poultry Yard.

"Mica-Crystal Grit," be it understood, is made from a ROCK OF PECULIAR FORMATION, composed partly of quartz, which is the hardest of rock substances, and partly of mica, which is a flaky substance. These two substances are piled in countless layers, one upon the other, thus forming what is termed a flaky or friable rock, by which is meant a rock which, when subjected to pressure, will scale or flake; the sharp particles of quartz are, as it were, embedded in mica, so that the rotary motion of the contents of the gizzard, in bringing the different pieces of grit in contact with each other, causes small particles to flake off, thus constantly resharpening themselves until they are entirely used up.

Many tests have been made to demonstrate the worth of "Mica-Crystal Grit," and in every instance, no matter how small the particles were, remaining in the gizzard, they still retained their sharp cutting edges.

The iron in "Mica-Crystel Grit" is practically all contained in the mica, and is in its purest and best form.

The effect of the iron in toning up the physical condition of your poultry, and the high yellow color produced in the yolk of the egg, is, of itself alone, worth more than all the other grits combined.

WHOLESALE AGENCIES:

DARLING & CO., Union Stock Yards, Chicago.
SPRAGUE COMMISSION CO., So. Water st., Chicago.
F. S. BURCH & CO., 178 Michigan st., Chicago.

The St. Louis Show.

President Steinmesch has reason to feel proud over the success of the poultry show given by the fanciers of St. Louis.

The association came out clear on expenses. Every obligation was met. The attendance was larger than ever before and the class of people interested was more gratifying to the management.

Next year St. Louis will endeavor to make the exhibit national in character.

Sharp Butterfield, of London, Ont., was the judge of poultry. He gave the following statement to the St. Louis Republic:

"What do I think of the St. Louis Poultry Show?" he repeated. "Why, it is the best yet held here and I have attended several of them. It is not only a high-class exhibit, but the crowd which attended seemed to be getting into the same class, as also were the exhibitors.

"I look forward to the day when the St. Louis Poultry and Pigeon Show will be as much of a social event and attract as large crowds as it does in London, New York, Boston and Baltimore.

"I attended the one held in London last year at the Crystal Palace, and it was the most complete and attractive I have seen in a life's experience. The English beat the Americans in some species, while on the other hand we surpass them in many others. Take the Silver Wyandottes, for instance. There is a bird which was originally an American species, but our cousins across the water have excelled us in perfecting the bird, especially in regard to the silver lacing which is such a great element in determining the points of merit.

"When you come to the Leghorn and the Plymouth Rock, however, the American can't be beat. He lays it all over the English on those classes. In England the wealthiest classes and the nobility are spectators and, in great number, exhibitors. The Queen herself displays her chickens, but the judges show her no more favor than anyone else. Any favoritism in any show would kill it. Last year the Queen's stock won many prizes. There have been shows where she was a large exhibitor and yet won not a single prize. Titles do not go at a poultry show, and I have seen exhibits of nobles who had not complied with the rules thrown out of the contest.

"In New York the wealthiest people are the mainstay of the poultry and pigeon shows. Rockefeller and Vanderbilt are fanciers of chickens and pigeons, who spend thousands of dollars annually on their poultry farms and pigeon roosts. They exhibit their birds and compete for the prizes with as much interest as anyone.

"I hope to see the day when St. Louis will have a show which will equal that of New York, and I believe that it could be made such if the wealthy people here would take such an interest in it as they do in the East and in England.

Ashtabula, Ohio.

The Western Reserve Association has changed the date of its show from December 20 to January 10 to 13. This was owing to the crowd of shows last month. A large exhibit, with ample premiums, is promised. Write for catalogue to W. A. Kain, Sec., 139 Center St., Ashtabula, O.

Spokane, Wash.

The Spokane Association show will be held January 24 to 28. This is a fine opportunity for eastern breeders to introduce their stock in the West. Cash premiums. Address John L. Mercer, Spokane, Wash.

Elmira, N. Y.

The third show of the Elmira Association will be held January 17 to 21. Cash premiums and specials, as well as cups, are offered. Address E. W. Andrews, Elmira, N. Y.

Mason City, Iowa.

A show will be held at Mason City, Ia., January 24 to 27. Liberal cash premiums are assured. Address John D. Reeler, Box 527, Mason City, Ia.

Cedar Rapids, Iowa.

More than $1,000 in premiums is offered by the Western Fanciers' Association, at Cedar Rapids, the third week in January.

C. H. Playter, Cedar Rapids, Ia.

MAMMOTH BRONZE TURKEY FARM,

Home of the Famous

National Strain of Mammoth Bronze Turkeys,

the winners wherever shown. This strain is noted for **full breasts, deep bodies, broad backs, medium short legs,** etc., and **unusual vigor.** Our toms stamp these good qualities upon their offspring with great success. They double the productiveness of a flock in a short time. We sell in every State in the **Union** and most foreign countries. Just shipped four to Cape Town, South Africa.

Splendid Lot of Yearling Toms For Sale—Excellent foundation stock or for breeding up the common flock. Will make splendid show birds. We have a superior lot of young birds for sale. Don't buy turkeys until you get our catalogue and prices. They are sent free to any address.

We have won more first prizes in the last four years than all other competitors combined, in hottest of competition, as the following will show:

At the Great Silver Cup Show at Kokomo, Ind., January, 1895.

We won grand sweepstakes on Bronze Turkeys, 1st and 3d on cockerel, 3d and 4th on hen; 2d and 4th on pullet, 1st on pen, grand special on best display, and nearly every special on turkeys. No cock entered. In class of 22 Bronze Turkeys. F. J. MARSHALL, Judge.

At Indiana's Great Show, January, 1896.

Won grand sweepstakes on Bronze Turkeys, 1st on cock, 1st and 2d on hen, 1st and 2d on cockerel, 1st and 2d on pullet, 1st and 2d on pen and two grand specials for best collection. No other stock entered. Thirteen birds entered and scored 93½ to 97½ by PIERCE. Indiana King had been kept for me by another party and was out of condition. B. N. Pierce said had he been in condition he would have scored 98 or 98½. This is a record to be proud of—a record that stands unrivaled.

At Indiana's Great Show, January, 1897.

Our Turkeys scored another great victory, winning on five entries, 1st on pen, 1st, 3d and 4th on hen, 2d on cock, 2d on pullet, and special for best pair in show. They scored from 94½ to 97 points; also won 2d on Pekin Ducks. B. N. PIERCE, Judge.

At Indiana's Great Show, December, 1897.

Our Turkeys still won, 1st on tom, scored 97, weight 45 pounds; 2d on hen, scored 97, weight 30 pounds, and 4th hen 96; another hen scored 95½; 3d cockerel, score 91½ cut 6 on weight; 2d on pullet, score 95½, cut ½ on condition from fighting, and 1st on pen, also grand special for largest exhibition of Bronze Turkeys; special for best pen Bronze Turkeys; also for heaviest pair Bronze Turkeys in class of 15. I. N. BARKER, Judge.

Prize Winning Bronze Turkeys.

No Other Breeder in the United States can show 80 Bronze Turkeys superior to the above, or a flock containing as many winners at the largest shows.

Should you wish to introduce new blood in your flock of turkeys, and want large young birds for breeding and exhibition, remember I can suit you. The best is the cheapest.

Remember that I breed and ship more Bronze Turkeys, and win more prizes on Bronze Turkeys, than any other breeder in the U. S.

Barred Plymouth Rock Cockerels—We have a fine lot of these grand general purpose birds for sale at a bargain. Write for what you want.

THE FAMOUS STAR INCUBATORS—We handle this excellent machine, together with a full line of **POULTRY SUPPLIES.** Write for free catalogue of incubators and supplies.

SAM B. JOHNSTON & CO., Box 345, Boggstown, Ind.

White Wyandottes--Pit Games.

Duston and Knapp Wyandottes and Graves strain of Pit Games. We have a few head of old and young stock for sale at reasonable prices. Write us your wants.

BROWNE & MANN, 428 N. 53d st., Austin, Ill.

WHITE WYANDOTTES, BARRED PLY. ROCKS and BLACK LANGSHANS.

Eggs $1 per sitting in season from high scoring stock. Lime Stone Grit, 50c per 100 lbs.; also other first-class supplies and remedies. Write me for what you want.

W. RICHARDSON, QUINCY, ILL.

ESLER'S S-C. BR. LEGHORNS We Have the Stock if You Have the Price.

are as good as they make them. *Satisfaction guaranteed or money refunded.*

If you want first-class exhibition or breeding stock, that will win for you now or breed winners for you next year, and are willing to pay a reasonably fair price for them, you should write us at once.

CHAS. K. ESLER & SONS, Lansing, Mich.

A. H. HANDY, Vanndale, Arkansas,

BARRED PLYMOUTH ROCKS, Only. WRITE ME YOUR WANTS.

A few choice cockerels for sale. Also eggs in season, $2 per 13.

RIVERSIDE POULTRY YARDS,

BELLEVILLE, WIS., W B. MOREHEAD, Prop.

Breeder of .... Felch Pedigreed Light Brahmas and M. Bronze Turkeys, Exclusively.

A choice lot of young stock for sale in pairs, trios or singly. Surplus breeders of 1897 for sale cheap. Send for catalogue. Mention American Poultry Journal.

Heavyweight Light Brahmas

and White Cochin Bantams. All Bantams for sale are from first prize breeding pen at the great Boston show, January, 1898. Write for what you want.

WM. CHAMINGS, box C., Forrest, Ill.

Winners for all. 20 VARIETIES. Circular Free. Lowest Prices.

C. E. ADAMS, Burlington, Wis.

BROWN LEGHORNS

Head the Procession

when from ***Brattain's Exclusive Yards.***

WON at Oxford, O., Dec. '98, under Pierce: 1st cock, 92½; 1st, 2d, 3d cockerel, 94½, 94, 94; 1st hen, 94½; 2d tie 94; 1st, 2d pullet, 95½, 94½; 1st, 2d pen, 189¼, 187½, and all specials.

Can furnish anything from crack show bird to a $2 breeder.

E. C. BRATTAIN, B. Leghorn Specialist, Connersville, Ind.

Adirondack BLACK MINORCAS. Exclusively.

At Madison Square Garden, New York, 1898, with birds of my own breeding, I won **FIRST COCK, THIRD COCKEREL** and **FOURTH PULLET.** Eggs from my best prize matings, bred in line, at $3 for 13, $5 for 26, or $10 fer 65 eggs. A few choice **COCKERELS** and **HENS** for sale. My strain is noted for size, type and color. Mention American Poultry Journal and get circular.

J. H. DOANE, Lock Box D, Gouverneur, N. Y.

BUFF P. ROCKS—Exclusively.

My stock this season are the finest that I ever raised. Young and old stock for sale at reasonable prices, quality considered. Write your wants and mention American Poultry Journal.

J. L. YOHE, Carey, Ohio.

"THIS IS IT."

The Utility Farm of the Age.

Plainfied Poultry Farm Co., Plainfield, N. J.

THE HOME OF

Corby's S-C. Wh. Leghorns.

The great winter laying strain.

Hundreds of youngsters bred this year from our Madison Square winners. You order—we guarantee satisfaction.

Also breeders of White Wyandottes, White and Barred Plymouth Rocks, Pekin Ducks. Circular free.

S. B. CORBY, Mgr.

Buff Cochins.

of the English Type.

Five grand matings. Eggs put down to $2 per 13. 26 years of breeding and mating of Buff Cochins have gave me some knowledge of how to mate to produce good stock. I have no 100-point birds to advertise, but do raise winners and so do my customers. No circular.

ALEX BICKET,
Expert Poultry Judge, Tilden, Randolph Co., Ill.

Games and Pigeons.

Eggs for hatching. B. B. Red and Red Pyle. A grand lot of birds for sale reasonable, if taken quick. Standard B. B. Red Games, Red Pyle Game Bantams, White Fantail and Jacobin Pigeons. Stamp for circular.

F. G. BOUQUET,

Tioga Co. Owego, N. Y.

Indian Runner Ducks

(Imported Stock)

EGGS—12, $2; 24, $3.50; 50, $6.50.

We have also birds for sale.

R. B. & C. H. DAYTON, Remsenburg, N. Y.

REV. E. W. RANKIN. DR. H. S. BANZHOF.

Buff Cochins

—They won at last Chicago show, 1st on pullet and other prizes.

Birds For Sale.

G. L. M. Atkinson of Denver, Colo., also has good Buff Cochins, and there are others.

E. W. RANKIN,
Manitowoc, Wis.

For the Farmer and Fancier, for Utility and Beauty

200 BIRDS TO PICK FROM

WYANDOTTES SILVER & WHITE

I can offer some rare birds, and solicit correspondence from parties desiring Strictly High-Class Stock

H'Y STEINMESCH, St. Louis, Mo.

Hallock's Pekins

are among the first on the market, are sought for by the trade, command the highest prices and give the best of satisfaction in every way." And it's the same story in the show room—the proof is the long string of blue ribbons they've won at New York, Boston, Washington, D. C., and other shows. Breeders are now ready at money-saving prices. A free booklet gives the particulars.

A. J. HALLOCK,
Box A. Speonk, L. I., N. Y.

GENERAL VIEW OF THE PRAIRIE STATE INCUBATOR PLANT.
[The large residence is the home of Mr. Cooper. To the left, hidden by the tree, is the equally fine home of Mr. Nix.]

PRAIRIE STATE INCUBATOR CO.

A Story of How Two Men Came Together and Succeded in Constructing an Immense Industry.

The Prairie State Incubator is a household word among poultrymen, but all who know of the machine do not know the makers thereof personally. For that reason a sketch of these interesting men is entertaining reading. Everybody enjoys the story of success wherever and about whomsoever it may be told. All will therefore enjoy this.

The man who invented the Prairie State Incubator is J. L. Nix. He called the machine after his native State, for he was born in the great State of Illinois and reared on a farm. In the course of his work he engaged in raising poultry. At 18 years of age he quitted school and went into business, with an eye to the supplying of St. Louis with poultry and eggs. He raised thousands of chicks, and meanwhile exercised his inventive faculties to improve the methods employed. Years of study were required for the work, but at last, about 12 years ago, he was convinced that he had discoveredthe correct principle.

It is one thing to invent a machine and quite another to put it on the market. There must be a conjunction of the right conditions. Mr. Nix is a man of affairs, but his experience taught him that he had undertaken the work of several men. More help was therefore needed to place the Prairie State Incubator in the field of competion with other machines and meet the demand.

A. F COOPER.

J. L. NIX.

but while Mr. Nix was pondering the problem of the hour, circumstances were just as busy as he was in the task of completing the circuit of necessity. Mr. Nix was calling for a man, and A. F. Cooper was doing all he could to grow to manhood. So the fates ordained that these men should meet.

Mr. Cooper, like Mr. Nix, was permitted to take but a few years of schooling. At 16 he went into the flouring mill in Pennsylvania, and there he remained, dusty but happy, for more than ten years.

In 1885 Mr. Cooper paid a visit to the Homer City Poultry Yards, a place quite famous in its way. He applied for the position of manager and secured it over a number of aspirants. So, you see, although he got but $200 salary a year in that place, he was unconsciously drifting nearer to Mr. Nix. His health was suffering from asthma, and he was disposed to feel that he was in hard luck, thus to be forced to give up milling and take to the humble work of raising chickens for another man.

But Mr. Cooper went at the work as if he was owner of the yards. He made the business profitable. More than that, he regained his health.

During this time circumstances conspired to send Mr. Nix to Homer City, Pa. There he naturally encountered Mr. Cooper and the circuit we alluded to was completed. While Mr. Cooper was attending to 56 pens of fine poultry and running eight incubators, Mr. Nix was demonstrating that the machine to use was his own Prairie State. Electrical appliances were devised for regulating temperature; and more than 30 experimental machines were built. Every phase of the problem was considered. Step by step Mr. Nix moved onward to success. It was "no dream." It was hard and vexing work.

In 1886 a practical incubator was put out from the Homer City shops. A brooder came with it. The combination of forces between Mr. Nix and Mr. Cooper soon followed as an inevitable sequence. Mr. Cooper had seen the machine on exhibition for the first time at St. Louis, in 1886. Since then he has covered the entire United States with the praires of the Prairie State, and has cheered the hearts of thousands of poultrymen with his genial smile; for between us, in strictest confidence, we say that Cooper has a most fetching smile.

In 1887 the machine won out at the Chicago contest. Success came in solidly. From a little leaky building, which sufficed for a workshop in 1886, they have developed the principal industry in Homer City.

During the spring of 1891 the factory burned down, having caught fire from the smoke stack. The company then saw the necessity of a larger plant in order to keep up with the growth of their business. A two-story building 32x104 feet, was erected, and a 40-horse power boiler and engine added to produce power to drive the machinery. The company still realized that their plant was too small, and another building, 42x80 feet, three stories high, was added. This gave them sufficient room to manufacture machines and add new machinery, but as business was still on the increase they were compelled to erect another building 42x112 feet. This the company now uses for a storage house, having a capacity of about 3,500 machines, which they construct during the dull season so as to fill all orders promptly during the winter months, their busy season. Last summer another 40 horse power boiler and engine were added, to produce more power for turning their machines, which consist of various wood working machinery and iron working machinery, which they use for getting out the iron work used in the construction of their machines. They also have a dry kiln of the Sturtevant system, whereby they are able to dry all lumber before using it in the construction of their incubators and brooders.

This company claims to have the largest and most complete incubator factory in the world. They manufacture everything belonging to the machines except the lamp burners, wicks and thermometers. Outside of these everything is done in their works. They now give employment to 75 men, and their incubator works is the principal industry of the town.

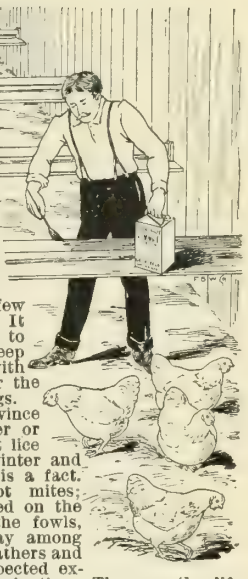
Their trade shows a steady increase every year. The Prairie State Incubator Co., composed of Messrs. Cooper and Nix, has made a grand record for honesty and reliability. They have built up a very large business. No complaint has ever come to us in reference to this firm. They are very careful in the construction of their machines. Each and every incubator, as well as brooder, is carefully inspected by three different persons before being shipped from the factory. They guarantee their machines to be first class in every respect, and they state that if machines are defective in any way the purchaser is at liberty to return the goods and they will either duplicate with new machines or refund the money.

The illustrations we publish herewith give a correct idea of their works. They extend a cordial invitation to anyone interested in incubators and brooders to visit them, and if any of our readers ever visit the Prairie State factory they will find everything exactly as represented.

—o—

The Omaha Poultry Club is preparing for a big show. Send for list to O. D. Talbert, Sec'y., 1817 Lake st., Omaha, Neb.

A Simple Application



Of Lee's Lice Killer to the roosts of the poultry house, a matter of 5or 10 minutes light work, will do more towards ridding your fowls of lice than several hours work by any other method.

If you use old methods or no method at all, your fowls have lice and that's the reason why you are getting no eggs or few eggs at present. It takes all the food to feed the lice and keep the fowl warm, with nothing to spare for the "by-product" of eggs.

It is hard to convince the average farmer or poultry raiser that lice are worse during winter and early spring, but it is a fact. We mean lice, not mites; body lice, that breed on the warm bodies of the fowls, snugly stowed away among the thick winter feathers and unseen and unsuspected except on careful examination. They sap the life blood, causing roup, cholera, etc., to be readily developed, no eggs or infertile eggs and weaky or sickly chicks in the spring.

Lee's Lice Killer has been called "The Lazy Man's Friend." It might more properly be called

The Busy Man's Friend.

But whether lazy man or busy man, there is no use in taking several hours time and labor for what can as well be done in five minutes.

We want all to at least try our ***LEE'S LICE KILLER,*** our ***LEE'S TONIC POWDER*** (the best egg food for poultry) and our ***GERMOZONE*** (for roup, swelled head and cholera) and therefore make the ***LIBERAL OFFER*** to send as samples for first trial only, a 30 ct. can of the Lice Killer, a 25 ct. box of the Tonic Powder, and a 50 ct. bottle of Germozone for 60 cts., or the two former articles for 30 cts.

Our 68-page book on Insects gives full information regarding these articles, with directions for treating all diseases of poultry and for exterminating insects and vermin of all kinds. It's free on request.

Address Nearest House as below.

GEO. H. LEE CO.,
1110 Farnam st., OMAHA, NEB.
178 Michigan st., CHICAGO, ILL.
Or 68 Murray st., NEW YORK, N. Y.

For ridding hogs of lice: nothing can equal Lee's Lice Killer. Simply painted on rubbing posts or sprinkled on floor of sleeping pen.

Buff Wyandottes.

I am going into partnership with R. Angevine of Coldwater, who now breeds Buff Rocks, so wish to sell my surplus stock of B. Wyandottes. Must go within 8 weeks. Choice breeding and exhibition birds. Bargains.

B. H. SMITH, Coldwater, Mich.

Utility Poultry and Stock Farm.

H. M. UTTLEY, Mgr., O'Neill, Neb.

Duroc-Jersey Hogs, B. P. Rock and L. Brahma fowls. Not a long list of prizes to parade before the public, but we have the stock to secure them when desired. Will quote satisfactory prices for good stock. Young pigs and eggs for sale at regular prices. Limited number of cockerels; no pullets or hens.

BUFF COCHINS,

(Oakland Farm Strain).

Plymouth Rocks,

(I. K. Felch Strain).

Prize winners now for sale. Stock mated to get exhibition birds. If you want satisfaction try me. Eggs $2 per 13. Write to-day to HORACE R BURT, Austin, Texas.

Silver Laced Wyandottes.

Won first place on pen wherever shown during winter of '97-'98, including the North Central at Princeton, Feathered Stock at Peoria and Ill. Valley at Henry. Many other prizes on singles and pairs. Stock of both sexes for sale. Write.

W. L. MILLS, Clear Creek, Ill.

LANGSHAN COCKERELS.

Write what you want and let me quote you a price.

EGGS.

Book your orders now for early delivery—$3.00 per sitting.

W. W. HOGLE, Evanston, Ill.

It's a Fact

That our Rose-comb Brown Leghorns won all 1sts and 2d at Michigan State Fair, under Butterfield. Have some nice show ckls. and pullets to spare. May be returned if not satisfactory. Grand show record and catalogue free

S. G. ALLURED, Ionia, Mich.

100--Scored Birds--100

For Sale in

Blue Andalusians, 89 to 94,
Buff Leghorns, 87 to 95,
Buff Rocks, females only, 89 to 92,
Bar. Rock, females only, 87 to 92.

From $1.00 to $3.00.

This is a rare chance to get your breeders cheap. I need room. Score cards by Tucker, Pierce and Lane. Write your wants, Poultry Supplies for sale.

B. F. PARSONS, Edwardsburg, Mich.

WYANDOTTES,

Silver, Golden, Buff.

Winners at Illinois State Show. Young cockerels for sale with score cards. Eggs in season. Send for circular.

Address, for Silvers,
LIN H. GRIFFITH,
For Goldens,
CHAS. P. NELSON,
For Buffs, CHAS E. ELLSWORTH, Danville, Ill.

High Class **BLACK LANGSHANS** Prize Winners

Large, fine shaped, beautifully colored exhibition birds and breeders for sale.

STRUTHERS SISTERS, PRINCETON, ILL.

AMERICA'S FINEST DARK BRAHMAS--Rigg Strain.

Bred in line over 20 years. Winners at best American and English shows. Circular free.

OAK WOOD POULTRY YARDS, Burlington, Wis.

A. T. McCLANAHAN'S

Light Brahmas and Golden Sebright Bantams

ARE STILL IN THE LEAD.

Won four first medals at National Fanciers' Show at Chicago, Jan., '98. Gov. Forrest, a two-year-old Light Brahma cock, was an easy winner of first premium, with the remarkable score of 94 points First on pen. Won most all on Golden Sebright Bantams. Can spare 30 Light Brahma hens of my past year's breeders. I want to sell you your ***PREMIUM BIRDS***—both old and young.

Yours to please, A. T. McCLANAHAN, Forrest, Ill.

One of My Prize Winners

1884 1898

Skinner's Cochins.

Thirteen Premiums on Buff and Partridge against the strongest competition in the world.

I also breed the choicest Light Brahmas, B. P. Rocks, S-c. B. Leghorns, Bronze Turkeys.

The sharpest and best Grit, 50 cents per sack of 150 lbs.; 500 lbs. for $1.

Send for Catalogue showing several Prize Winners, in colors.

O. E. SKINNER,

Columbus, Kas.

FILL THE EGG BASKET

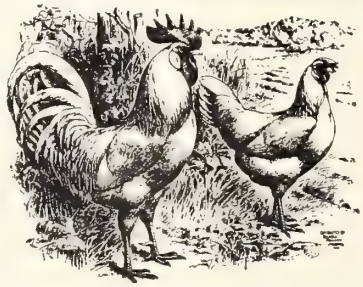
when eggs bring the best price—say along about Christmas time when eggs are in best demand and generally scarce. How? By feeding the hens on our

...PIONEER CLOVER MEAL...

What is it? It is made from selected, clean clover hay, which has been cured by our own peculiar method, so as to preserve its bright green color and retain its sweet aroma and essential oils. It is then ground into the finest meal by our powerful and specially designed machinery. It brings to the winter layer all the conditions of fresh green summer food and produces equally good results. It doubles the egg product and improves their quality and vitality—they hatch better. Then, too, it is cheap. It only costs: 50 lbs. $1; 100 lbs. $2; 5 lbs. 25c. Use it this winter and make double the money from your hens. Sample and editorial endorsements free.

BENNETT & MILLETT CO., Box A. Gouverneur, N. Y.

FOR SALE BY F. S BURCH & CO., CHICAGO, ILL.



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America's Business Hen.

1000 Choice Birds For Sale.

Having again succeeded in raising an extra large and choice stock of chicks, to make room, I am compelled to dispose of most of my fine stock of 1897 hatched hens, together with a grand lot of this season's fine, strong, early cockerels. These birds are without question the best lot ever offered from my yards, and when in need of either cockerels, pairs, trios or any sized breeding pens you will make no mistake by investing in this,

The World's Greatest Laying Strain of

Single-comb White Leghorns.

Can furnish cockerels and hens not related, and either cockerels or hens not related to any former stock sent out from my yards. When convenient for them to do so I shall be pleased to have intending purchasers visit my yards and examine stock before buying. When writing for prices please state as near as possible the number and quality of birds wanted.

Prices the very lowest, quality of stock considered, and special inducements offered to early buyers. Large illustrated and descriptive circular free. Address

C. H. WYCKOFF,
Groton, N. Y.

FOR SALE, BUFF P. Rocks, Leghorns and Wyandottes.

Also a fine lot of White P. Rocks, Single-comb White and Brown Leghorns and White Wyandottes at $1 and $2 each. Will please you or birds may be returned at my expense. Address

WALTER COX, 64 Grand ave., Washington, N. J.

WHITE WYANDOTTES

Large in Size. Strong and Healthy.

(Mack and Duston strains)

Splendid young stock for sale. Orders booked for eggs—early delivery—13 for $2; 26 for $3.

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WOULD YOU DO IT?

If you could be assured that you could buy an incubator that removed all elements of doubt would you do it? We can assure you that this is true of

THE ILLINOIS INCUBATORS.

They are made so they cannot fail. Simple but perfect in construction and operation. They excel in—**proper application of heat; perfect ventilation; complete control of moisture; large and roomy egg chamber and comfortable nursery for chicks.** Can't catch fire from lamp explosion or other super-heating—they are covered with iron and are not only fire proof but heat and cold and moisture proof. Hot air or hot water, as you prefer. Don't buy until you get our

Free book, "ILLINOIS." J. H. JONES, Box 55, Streator, Ill.

MITTENDORFF'S BUFF PLYM. ROCKS

Orders Booked Now for **EGGS** from Winners at

Chicago, Buffalo, Hagerstown, Mid-Continental, Hamburg Crawfordsville, &c.

Circular FREE. L. W. MITTENDORFF, Lincoln, Illinois.

50-Egg Size $5

One Million Testimonials are not so convincing as the **30 Days Trial Free**

We offer on every incubator we make. No matter how cheap. No regulator has ever approached in efficiency our Patent Pneumatic Regulator with which over heating is impossible. You may have chicks hatching every day in the week, with our Compartment Incubator. Among hundreds of others Mrs. M. T. Duval, Old Church, Va., never before saw an incubator, yet with our Bantam hatched 50 chicks from 57 eggs. You can do as well. Send 4 cents for No. 2 Catalogue.

BUCKEYE INCUBATOR CO., Springfield, Ohio.

WYANDOTTES Silver, Buff.

Choice Breeding and Exhibition Birds.

Guarantee all Stock Sold by us,

Score Cards by F. H. SHELLABARGER.

THEY ARE GOING LIVELY.....

Because we Please our Customers and we will do our best to please you.

WE DO NOT SELL EGGS

THE ONLY WAY to get some of the Tarbox Open-Laced Wyandottes is to buy the Stock.

WRITE YOUR WANTS, telling precisely your needs, and we will give the request personal attention.

Agents for Spratt's Patent Poultry Meal and Ground Meat. Also Clover Meal.

Mention A. P. J.

A. & E. TARBOX,
North Side Poultry Yards, **Yorkville, Ill.**

EGGS AND MEAT

There is nothing on the market that increases the yield of eggs and develop the fowl like

DARLING'S PURE POULTRY FOODS

We manufacture all our own goods and vouch for their being pure and wholesome. A trial order will convince any one of their merits.

CONCENTRATED MEAL. Beef Scraps. Ground Raw Bone Meal. Granulated Bone. Oyster Shells. Mica Crystal Grit. **BEEF MEAL.**

☞Our revised price list is sure to interest you. Send for it.

Address, **DARLING & COMPANY, DEPT. 11, UNION STOCK YARDS, CHICAGO, ILL.**

HEABLER'S BLUE ANDALUSIANS.

Exhibition and breeding stock are for sale this month at a very low price. Mention American Poultry Journal and write

M. S. HEABLER, Bucyrus, Ohio.

H. D. & H. P. TAYLOR,
274 Warren ave., - - - Detroit, Mich.,

Breeder of **BANTAMS—12 Varieties.** Eggs from premium stock for sale $1.50 per sitting.

None Better.

Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.

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—BREEDER OF—

Partridge Cochins.

Prize-winning birds for sale. 15 eggs $2, to yield 6 chicks or another sitting free. Agent for L. L. K. and Blood Meal.

ONLY A FEW OF THOSE

White Wyandotte Cockerels

remain, and they must go at half the price you pay the large eastern breeders for no better stock. They are breeders, and good ones.

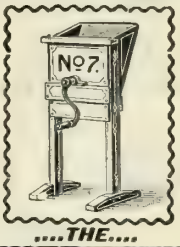
G. C. FLEGEL, Westville, Ind.

Mention AMERICAN POULTRY JOURNAL.

CAPON TOOLS

Complete set, with full instructions, post-paid, on receipt of $2.50. 28 p. Capon Book free for 2c. stamp. Poultry Marker. 25c. Roup Syringe, 10c. Gape-Worm Extractor, 25c. Remit by Money-Order or registered letter.

G. P. PILLING & SONS,
1229 Callowhill Street,
Philadelphia, Pa.



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BANNER JUNIOR Root and Vegetable CUTTER

solves the problem of winter eggs. It cuts all roots and vegetabtes into fine shavings like apple parings or finer. All poultry, large or small, can eat it readily. ***Make hens lay*** by providing summer conditions in the winter. Our little circular,

"WINTER EGGS"

tells all about it. Mailed free.

O. E. THOMPSON & SONS,
76 River St., Ypsilanti, Mich.

Cornish Indians

Exlusively.

L. B. RICHARDSON,
Importer, Breeder, Exhibitor.

Just in from the farm, finest lot of youngsters I ever bred. Direct descendents of famous cock, "John," whose sire was Frayn's Crystal Palace winner.

Exhibition birds and breeders. Prices reasonable, according to fancy points. New importations coming.

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POULTRY PRINTING—Exclusively. High grade work. Prices reasonable. Send stamp for samples and price list.
F. VanHoevenburg, Box B., Ruby, N. Y.

ONLY 10 CENTS for my formula to make **SNAP SHOT LICE PAINT** guaranteed the best lice killer on the market. Over 1000 sold and not one complaint. Printed with full directions to make, use and sell.
HARRY HILL, Havana, Ill.

I BREED BARRED PLY. ROCKS, E. B. Thompson's strain. They are large, and some extra fine show birds of either sex. Any one buying and is not satisfied can return them and get their money back. less express. C. E. Pickering, West Liberty, Ia.

Some Nice Barred Plymouth Rock
Cockerels and Pullets for sale cheap. Stock first-class and prize winners. Satisfaction guaranteed. Address
E. F. PEIRCE, Catawba Island, Ohio.

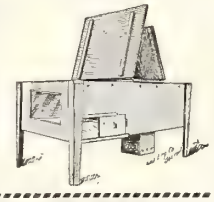
CUT Clover (Frt prepaid on 200lb. lots) 100 lbs. $1.
Crushed Oyster Shells, $6.50 ton, 100 lbs. $1.00
Mica Crystal Grit $7.00 a ton.....100 lbs. $1.00
Pure Beef & Bone...100lbs. $2.00 Cracker Crumbs,....100 lbs. $1.50
Ground Beef Scraps, 100lbs. $2.50 Light Brahma Eggs...13 for $2.00
Indian Game Eggs....13 for $3.00 Pekin Duck Eggs.....11 for $2.00
CLEVELAND POULTRY CO., Plattsburg, N. Y.

Chicago WInners!
Buff Leghorns and Black Langshans.
My Buff Leghorns were winners of 9 prizes at Chicago in a class of 101—the hottest competition ever made in this variety. Also won 7 prizes on Black Langshans and special for best display of 10 birds in show. Eggs for sale. Write now.
FRED L. KIMMEY, box 181, Morgan Park, Ill.

BARRED PLYMOUTH ROCKS.
Prize-winners
at Illinois State Show. Two pens mated for cockerels; one pullets. Ill. State Show—Cock 1st 92; ckl. 4th 92⅞; pen 3d 183⅞. Eggs $2.50 for 13; $5 for 30. Females scoring from 91¼ to 92½. Montouck strain. No stock for sale. Write
FRANK DALBY, Danville, Ill.

Blue Barred Plymouth Rocks.
(Thompson Strain.)
Large and showy; fine in shape and color. No circulars. Fresh eggs $2.50 for 13. Young birds of the best quality for sale. Address
LEVI McNETT,
Woodstock, Ill.

THE OLD HOME-STEAD BROODER
will care for 100 chicks until they are old enough to go to the roost; the simplest, cheapest and best Brooder made. Circular free. L. BROWN,
Sturbridge, Mass.



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Shall we send you our Seed Catalogue also?
JOHNSON & STOKES,
SEEDSMEN.
217 & 219 MARKET ST.,
PHILADELPHIA, PA.

ROSE-COMB BR. LEGHORN COCKERELS.
Guaranteed to Score 90 Points or over.
Must sell them, to make room, for the low price of $1 to $2. Order soon—they are going fast.
GEO. STAHMER, Oak Park, Ill.

High Class S-c. White Leghorns.
If you are looking for cockerels or pullets that will carry off their share of the prizes at the coming winter shows, we can supply you, at living prices. Can also spare a few more W. C. Black Polish chicks.
E. E. GREER, Beatrice, Neb.

A Popular Combination.
We will send you AMERICAN POULTRY JOURNAL, one year, and Geer's Poultry Book,
"The Chicken Business, How to Make it Pay,"
post-paid for 60 cents. Try it.
AMERICAN POULTRY JOURNAL, 325 Dearborn st., Chicago, Ill.

1879 **O. K. POULTRY YARDS.** 1898
Black Langshans,
Black Langshan Bantams.
First-class Stock.
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Bargains for the quick buyer.
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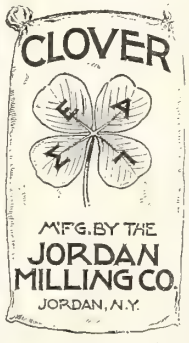

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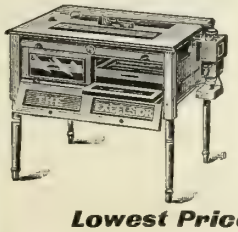

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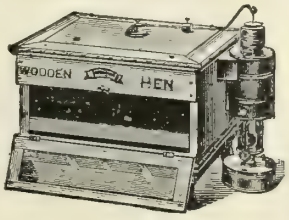

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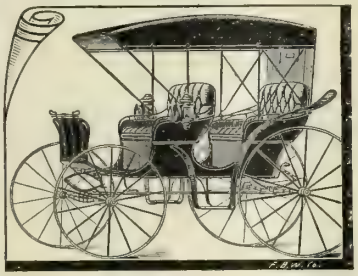

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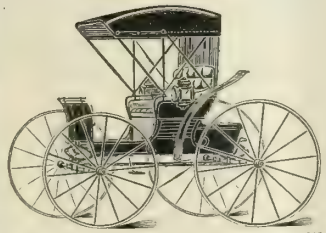

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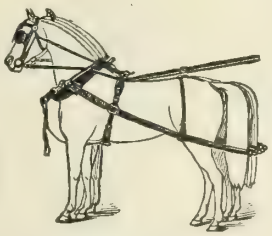

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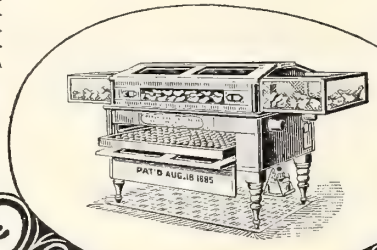

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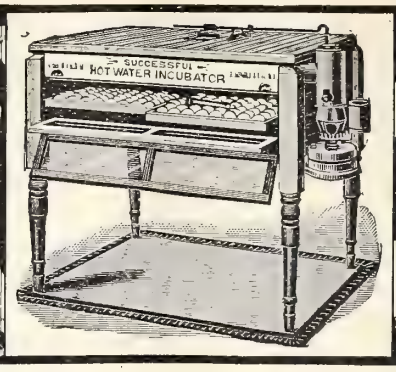

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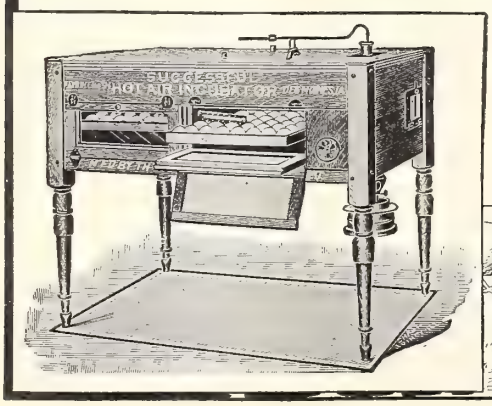

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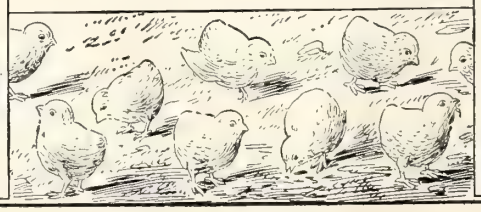

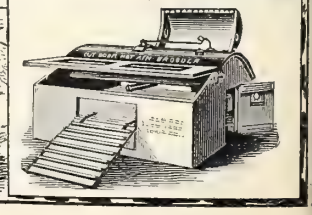

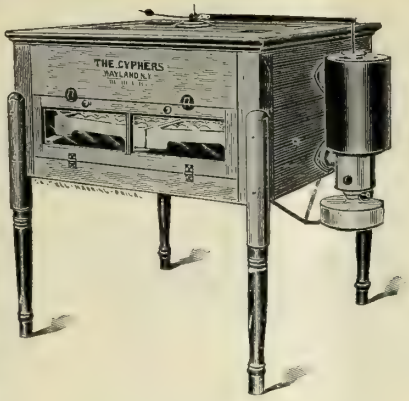

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Hundreds of ***Choice Exhibition and Breeding Birds*** at honest prices. Catalogue of America's finest P. Rocks and Wyandottes, free.

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Black Minorca / ***B. Ply. Rock*** } COCKERELS.

Must sell "at once" to make room for breeding pens. No pullets. Write for prices.

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CLARKE'S FAMOUS
TRANS-ATLANTICS.
Have Fought under Four Flags
And Never Met their Equals Yet
Write for circular. Mention this paper.
H. P. CLARKE, Indianapolis, Ind.

13 Prizes on 15 Entries

Won on my Barred Plymouth Rocks at Toledo, Adrian and Hillsdale last fall. Choice stock for sale on approval. Eggs in season. Five breeding yards to select from.

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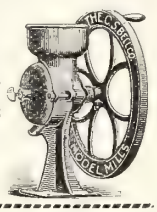

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The Largest and Best Equipped Poultry Ranch in Central Michigan.

No better stock in the West. Light Brahmas, B. P. Rocks, S-c. Buff Leghorns and W. C. B. Polish. Stock for sale. Eggs in season. Send stamp for my egg record.

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The Daisy and Crown BONE CUTTERS.
Best in the World.
The $5.00
Hand Bone, Shell and Corn Mill.
THE GEM CLOVER CUTTER.
Send for circulars and testimonials.
WILSON BROS., Easton, Pa.

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Bred in Line for 16 Years.

Choice Breeding Birds For Sale. **LANGSHANS**

Prices low for quality. Eggs in season $5 per sitting. Satisfaction guaranteed.

HUNT BROS, Greenwood, Ill.

Light Brahma Winners.

At the great Rockford Show, Dec. 26 to 30, 1898, nearly 80 birds in Light Brahma class, won more prizes than any two other exhibitors, on an exhibit of 11 birds, all cockerels and pullets, 11 regular and special prizes, including

Grand Sweepstakes

for best display of Brahmas. B. N. Pierce, Judge. The Godfrey strain of Light Brahmas is winning all over the West in the hands of customers. Splendid cockerels, heavily feathered, grand shape and color, $2.50 to $5. each.

H. S. GODFREY, Rockford, Ill.

BUFF WYANDOTTES—EXCLUSIVELY.—Write for descriptive cir., price list and show record.
ARLINGTON POULTRY FARM,
M. F. NORRIS, Proprietor. Eggs, $3 per 13. LEXINGTON, KY.

WHITE WYANDOTTES

There is no better money making breed than this, ***both for egg and flesh production.*** My magnificent strain of this splendid breed is worthy the attention of intending buyers of fine poultry.

A FEW GOOD COCKERELS FOR SALE.

We have ***first prize cock*** at the Chicago show, being bred to pullets scoring 93 to 94½ points. ***Eggs for sale from this pen, $3.00 per setting.*** Others good, 92½ points, $2.00 per setting.

DANIEL PURNELL, Oak Park, Ill.

One of My Prize Winners

1884 1898

Skinner's Cochins.

Thirteen Premiums on Buff and Partridge against the strongest competition in the world.

I also breed the choicest Light Brahmas, B. P. Rocks, S-c. B. Leghorns, Bronze Turkeys.
The sharpest and best Grit, 50 cents per sack of 150 lbs.; 500 lbs. for $1.

Send for Catalogue showing several Prize Winners, in colors.

O. E. SKINNER,
Columbus, Kas.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.
Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.
VOL. 30. CHICAGO, ILL., FEBRUARY, 1899. NO. 2.

First Pullet at Rockford, Ill., Show, Dec., '98. Score 94, cut 1½ on weight, by B. N. Pierce. Cockerel at head of first pen Bred and Owned by H. S. Godfrey, Rockford, Ill.

THE FANCIER IN THE POULTRY YARD

BY THOS. F. RIGG.

Having properly selected the male and female which are to form the basis of our breeding, we are now ready to take the first step in line-breeding. In all affairs of life it is essential to success that we start rightly. Regardless of the comparatively few exceptions thereto the rule is one recognized by all thoughtful men. I can not understand why a man or woman who is willing to put time and money into a poultry business is unwilling to dignify that business—is unwilling to put brains into it, and to place it upon the basis of a purely business project. Do not misunderstand me. I mean that the man or woman that is breeding standard-bred fowls to-day should fully realize that it is a business requiring his or her best thought. Within the ranks of the breeders to-day—the fanciers—are to be found some of the brightest and most accomplished men and women. It means something to-day to be a fancier of good repute; means a great deal to be generally recognized as man or woman who annually produces representative birds of any of the various classes. To-day an exceptional specimen of any of the recognized breeds has a commercial value as fixed as the north star. The supply of extra good birds never has, and never will, equal the demand. It is the ordinary birds that glut the market. This world of ours is getting better every day. No doubt of that. People are getting "better off" in means every day. Never mind the fellow who has failed when he tells you that the contrary is true. The man who can to-day produce a superior article of any sort is the fellow who can command his price. This being true it is not only good business policy, but good policy above and beyond mere financial consideration, for every man to strive to produce the best. There is, in the very nature of things, a great deal of human nature in the Fancier. He likes to endorse the draft which gives him a great big price for a bird. Of course he does. But great big prices are not being paid to-day for ordinary specimens of any breed. Such specimens can be produced only by the man or woman who fully recognizes that the breeding of standard-bred poultry is a science—a matter requiring a daily mixture of brain and elbow work. So we will consider the matter from this standpoint.

We have mated our ideal cockerel to our ideal pullet, as per selections made in accordance with rule stated last month. I say cockerel and pullet because it will be more easy to carry out the line from that starting point. The offspring of this mother will be one-half the blood of the original male and one-half the blood of the original female. We now make very careful selections as to choice of birds from this mating to be used as breeders the second year. Under no circumstances should we breed any of these females to their brother. In breeding from brother to sister we have absolutely no source of betterment to draw from. It makes no difference how grand in marking the birds may be—we can gain nothing—cannot add one thing of merit—by breeding brother and sister. In such a mating we do not only fail to draw good from the fountain head but be actually loser in all good quality. That is a fact which ought to be apparent to all. For our second year's mating we select the very best cockerel produced by mating No. 1 and breed him into his dam. The best pullet from mating No. 1 is bred back to her sire. From these matings we get young stock three-fourths the blood of the original male and young stock three-fourths the blood of the original female. This year we have made a special mating of a typical pullet to the original male, by allowing him to keep her company about one hour each morning. The young stock selected from this produce are very carefully picked and only birds showing the features of the original male are reserved as breeders. The males are used on the original female and the pullets mated to the original male. We also use females of this mating with males carrying the larger proportion of the blood of the original male. There can be no definite line laid down as to these matings beyond this point, for we must take into consideration a great many things. The vigor of the birds is all important. Not only this but the condition under which the stock is being kept must be a vital consideration. Also let it be understood that the handling of the stock is a great factor in success or failure. There are a hundred and one seemingly little things any one of which may turn the tide of line breeding. The central idea to be kept in mind is that the best result—the only practical result as regards success—can come only by keeping the male line unbroken.. Break the male line and you are at sea, as regards shape and markings and known quality.

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"INTERNATIONAL POULTRY JOURNAL."

The first number of International Poultry Journal is received. This unique publication is sanctioned by permission of His Majesty the Tsar, and is under the editorial management of the well known and talented fancier, Mr. Alexis Ossipoff, St. Petersburg, Russia. The magazine is conducted in five different languages—Russian, English, French, German and Italian. It is not a reproduction of the same articles in these several languages, but has special matter for each department. A corps of correspondents extends throughout the world. Colored illustrations of fowls and pigeons, and excellently prepared half-tone views of places, embellish the work. Mr. Ossipoff is a linguist who is able to place the manuscripts in type with almost unerring accuracy.

When we say that Mr. Ossipoff was compelled to struggle with a communication by our esteemed friend, Isaac K. Felch, we need offer no further proof of the editor's abilities. We should like to see one of Uncle Isaac's letters set up in Russian. We believe most of the readers would prefer that text to the original. But Mr. Ossipoff has translated a brief history of the poultry movement in America from Mr. Felch's pen into good, clear English. Another article is by Theo. Hewes; one by H. B. Geer; one by D. T. Heimlich, and one by Frank Heck. The advertising pages contain cards from A. C. Hawkins, I. K. Felch & Son, Mrs. S. N. King, of Bloomington, Ill., H. B. Geer, and others. The venture is, indeed, international. The price is $2.50 a year.

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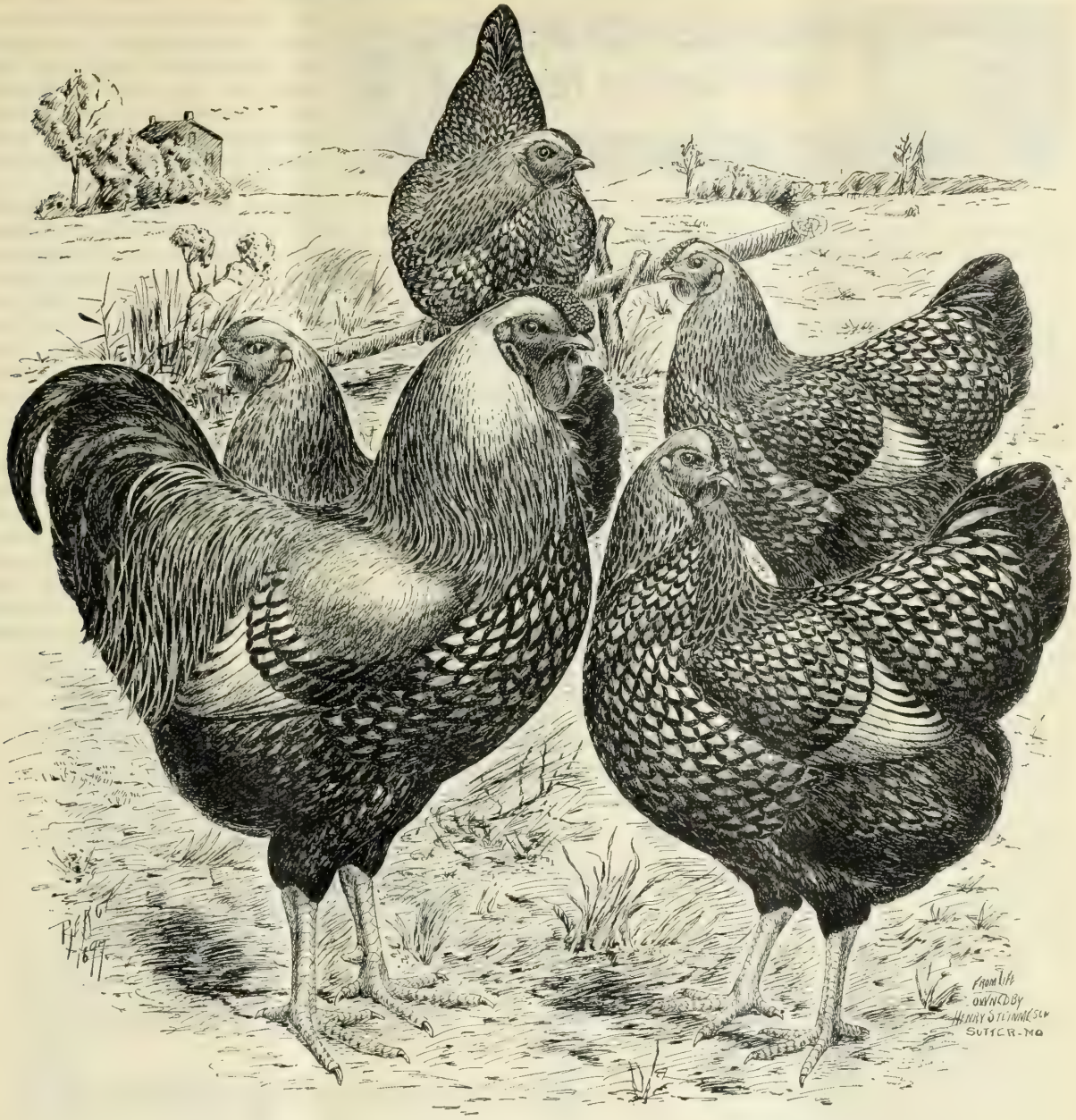
A number of show reports have reached us in a form to be practically of no value. Some of them mention the winners as "Smith" or "Brown," without initials or address. Others omit scores. Many come clipped from local papers, without date or location. These are simply thrown aside. We can give only a synopsis of the many smaller shows. A name must be in full, with postoffice address, to be of value.



SILVER WYANDOTTES—Owned and Bred by Henry Steinmesch, Lincoln Trust Building, St. Louis, Mo.

Henry Steinmesch, Lincoln Trust building, 7th and Chestnut sts., St. Louis, Mo., made a great string of winnings on Silver Wyandottes at the St. Louis show this year. Sharp Butterfield was judge and the competition was hot. He took 3d on cock; 1st and 2d on hen; 1st and 2d on cockerel, and 1st and 2d on pen, in a class of 79 birds. Mr. Steinmesch guarantees satisfaction, the express charges both ways, in case of rejection, to be paid by the customer, and the purchase money to be refunded by the seller.

———o———

The grand old Celt, Michael Kicker Boyer, is able to shake out all the kinks in his ankles when he mounts the desk of A Few Hens. He has no cords on him then. But he says "much in little," and like all those who attempt to condense the wisdom of the ages into a line of space, Michael sometimes squeezes his idea too hard.

One of his hobbies is the "strictly" fresh egg. He defines that embryotic individual to be "not over three days old." Yet he knows that it is practically impossible to get an egg safely out of the hen and into the egg-cup inside of seventy-two hours, unless each consumer has a private egg-shop. If he had said four days, we might be induced to join his seance for fresh eggs; but when he pulls the shutter down on the minute of the third day, he closes out every retail dealer in eggs in the world. Does our genial coadjutor demand the impossible, or does he merely insist that every table be supplied with its own particular hen?

In another place he asserts: "There is a chance for fraudery in the egg business. Be honest." In the name of Michael's grit, what is "fraudery"? Again he says: "White meat is preferred to dark by the average epicure." How about duck?

———o———

The Cleveland Poultry Company, of Plattsburgh, N. Y., change their ad. in this issue. They claim their eggs have no superiors and but few equals for fertility, vigor and size.

———o———

H. Tibbetts, Neponset, Ill., an old patron of A. P. J., won at Chicago, on 11 B. P. Rock entries, 2d cock, 91¾; 2d pen, 185¼; 5th cockerel, 93; 4th and 5th pullets, 92½, 92½.

Poultry Houses and Fixtures.

BY E. A. PHELPS, Mechanicsburg, Ohio.

Sketches of a poultry house are herewith presented. I do not claim that the plans are perfect, but that the building is handy, considering the available room. The cost is moderate.

For a foundation I went to the woods and cut beech and maple posts, six inches in diameter. With a post auger I set these in the ground from three to four feet, and five feet apart from centers.

In lining these posts, stretch a line where you desire (for instance) the south wall; and in setting the posts set them inside and just up to the line, being particular to put the straightest side of the posts outside, to nail to. The posts will vary in size, and by lining the outside edges you will save dressing them off after the sills are spiked on. The sills for the building in question are two 2x4's, spiked together; and should measure one hundred and three feet and one inch by fourteen feet and three inches, outside measurement.

After lining and setting the posts for the outside walls and the ends, stretch the line from end to end again, this time three feet and ten inches south, from the outside edge of the line of posts supporting the north wall. Set posts five feet apart along this line, same as before, putting them north of and just up to the line. This line of posts come under the alley-way partition, and support a sill from end to end, same as around the outside.

Figure 1 shows position of posts. Level all posts and saw them off when you are ready to spike on the sills. Go clear around the building with one course of 2x4's, and also through on the middle line, spiking them securely. If needed, use shingles to wedge under the 2x4's to level them exactly. In putting on the second course of 2x4's be particular to break joints.

The joists for the alley-way are cut next, so they just fit snugly between the two sills, and are toe-nailed to them, eighteen inches apart between centers, the top edge being flush with top of sills. To form the underneath or ground floor scratching-room, cut studding fifteen inches long, and double, by spiking two together. Before setting these studs, commence at either end of the building and measure off and mark where each partition between the pens will come; then toe-nail one of the short double studs at each partition and also half way between. They will come very nearly five feet apart. By reference to Figure 1 it will be seen that these studs are set on the south and middle sill only, those on middle sill being spaced the same as on south sill.

Now nail one of these double studs midway between the south and middle sills (at each end), and you are ready to brace the four corner studs, preparatory to spiking a double plate on to them. Plumb the four corner studs and nail a four-inch board from near the top of the stud to the sill, each way; and the longer these braces are (say ten or twelve feet) the firmer will they hold the studs. The double plate, which goes on to these studs, is laid the same as you did the sills, being careful to break joints. Plumb the studs as you spike on the plate. You are now ready to lay on the joists which support the floor to the pens. Referring again to Figure 1, it will be seen the joists are cut of length to come flush with the edges of the plates, and are toe-nailed on to them. When the joists are all on, commence and lay the floor on both the alley-way and pens. Then cut the studs for the rest of the frame, setting them two feet apart between centers. Toe-nail them to the floor, bracing corners well; also, every ten feet, after plates are on, to line, and hold the plates in line. Board up the outside while the frame is securely braced. Then frame and spike on the rafters. Line the rafters with a chalk line and saw them all off alike, and put on the cornice; then the roof boards; after which you are ready to lay the shingles or paper, as you prefer.

Cut out the openings for your windows next, and put in the window frames. Then put on your siding paper or boards. The sheathing boards should be set six or more inches into the ground, as should also the board divisions between underneath scratching rooms. Then the outer siding, whether boards or paper, should come down to the ground line.

This completes the outside of the building, save the yards. These are ten by one hundred feet, with two feet boarded at bottom, and netting above; of such width as will give the desired height. A heavy wire stretched tightly along the top of the netting will keep it from sagging, and is not readily seen by the fowls. Doors between each yard are located next the building. The sills are six inches above the ground line, the building being sheathed down to and into the ground six or more inches (as before stated), nailed to the posts. Fill in with dry clay or gravel up to the bottom of sills.

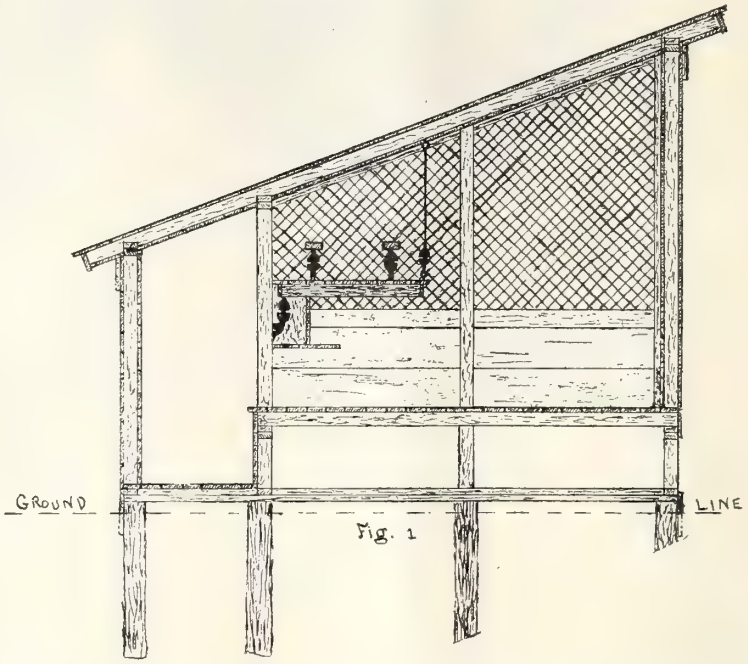


Fig. 1

The interior arrangement will be easily understood by consulting Figures 1 and 2. The good features of the building may be enumerated as follows: An alley-way three feet wide in the clear, with matched floor. The floor to the pens is also of matched boards, and is two feet above the alley floor. The space between floors is boarded up with the matched flooring and a

door eighteen by twenty-four inches, hinged at the bottom, gives access to the underneath scratching room (which, by the way, is open front), and permits the scattering of grain in the litter, from the alley. Eighteen inches above the floor (see Figure 1) are the nests, accessible also from the alley; and above them are the dropping platforms, with roosts of 2x4's one foot higher. Under the nests, and next the alley, a 2x4 is nailed horizontally, and three-eighths inch iron rods are set into this and the floor, three inches apart. Between these rods, the fowls eat their soft food from a trough hung on the outside—the trough being removed, cleaned and hung over on the north wall after the fowls have finished eating. Doors two feet wide open inward into each ten foot pen and are hung on spring hinges. Partitions between pens are boarded up two and one-half feet, above which is wire netting. Dust bath, grit and oyster shell are supplied on the upper floor, and a trap door 14x18 inches, raised and lowered by a cord from the alley, admit the fowls to the underneath scratching room; where, after their morning feed, they busy themselves in the litter all day. Each pen is 10x10 feet and scratching pens the same, thus giving ample room for ten or fifteen birds. Window sills are ten inches above the floor, and windows are double sash, so in summer the lower sash may be raised or removed entirely and a screen put in its place. One can clean the upper pens, as well as do all feeding and gathering of eggs, from the alleyway; while the refuse from the scratching pens may be shoveled directly into a wheelbarrow or cart taken through the yards. Half-inch matched flooring is used to ceil the inside, both on walls and overhead. I believe it superior to lath and plaster. As yet I am undecided upon the manner of ventilation, having two or three styles of ventilators in mind, which I propose testing thoroughly, when I will give results and description of same.

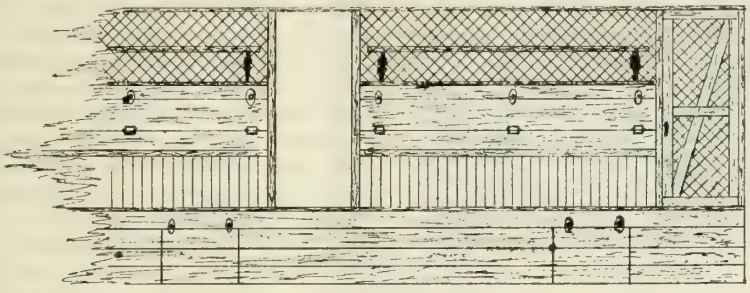


FIG. 2.

I have used 2x4's entirely in framing this building, but if desired 2x6's may be used for joists and rafters. The Jenkins oil cup brackets will be used throughout in supporting dropping platform and roosts. The bill of material for building the size of mine is as follows, but one may build as long or short a structure as he choses, the cost varying accordingly: Nails and hardware will cost about $10; carpenter work, extra. There are 4,176 square feet of bill stuff, as follows: 76 pieces 2x4-9; 63 pieces 2x4-10; 109 pieces 2x4-12; 75 pieces 2x4-14; 162 pieces 2x4-16. There are 5,000 square feet of hemlock or pine sheathing, 2,500 square feet of pine flooring, seven-eighths thick for floors; 3,500 square feet half-inch pine flooring for ceiling inside; 2,000 square feet roofing paper, or 20,000 shingles; 2,500 square feet paper or boards for siding; 200 pounds 8-penny and 100 pounds 20-penny nails are required, and ten windows, 29x45.

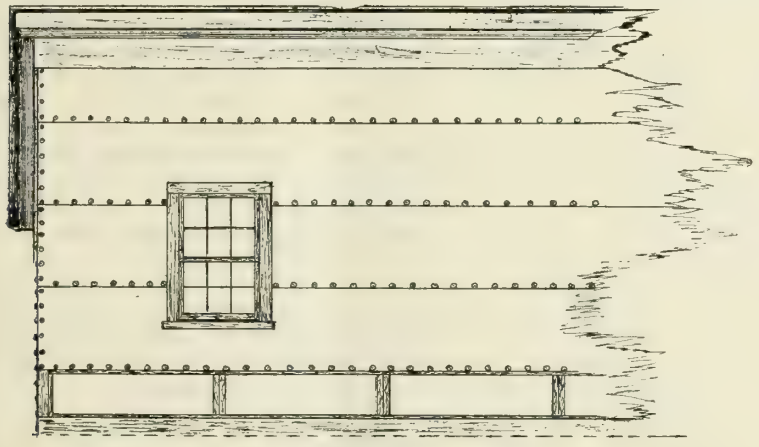


FIG. 3.

H. S. GODFREY.

At the great Rockford show, Dec. 26 to 30, 1898, H. S. Godfrey, of Rockford, Ill., won as follows, with no old birds in his exhibit: First on pullet. This pullet scored 94 by Pierce, cut 1½ on weight, making a 95½ point bird.. D. T. Heimlich said of her: "You won't find one wing like that in a thousand. Her tail coverts are simply magnificent. She is a splendid pullet and one of the best I ever saw." She was cut ½ on color, one or two gray feathers under the throat, hackle othewise being perfect. Comb was cut but ½ point. She is overweight now.

The Godfrey Light Brahmas also won third pullet (tied for second); first pen, every pullet in the pen cut on weight; third cockerel; special for best male and female; special for best ten Asiatics; grand sweepstakes for best display of Brahmas, and numerous other specials.

ANOTHER GAME FOWL TRANSFER.

J. C. Pratt, agent, of La Grange, Ill., advises us that he has just secured the entire stock of B. B. R. Games belonging to D. D. Melroy, of Butler, Ind., and that Mr. Melroy's good-will as a breeder is included in the deal.

Certainly Mr. Pratt seems determined to leave no stone unturned to keep up his end in game affairs. Mr. Pratt has been very successful at the shows this season and deserves much credit for his energy displayed in making numerous exhibits, always of good birds.

For the purpose of accommodation of their rapidly increasing business, Geo. H. Lee Co., of Omaha, Neb., and Chicago, have opened an office at 68 Murray street, New York city. Orders for Lee's Lice Killer can be sent to the nearest office. The success of Lee's Lice Killer is based upon merit and prompt and honorable dealing.

The J. W. Miller Co., of Freeport, Ill., has issued a new catalogue of poultry which is at present sent free on application. We recommend this large and prosperous concern as one worthy of patronage. Observe the ad in another part of this magazine and mention A. P. J. when requesting one of these valuable catalogues.

BREEDING BLACK MINORCAS.

What is Required by the Standard--How to Establish a Strain--Record Keeping the Keynote to Success--Observations Based on Years of Experience in the Yards.

By J. H. DOANE.

In breeding Black Minorcas to the Standard, one must have a clear conception of what is required of a specimen, by the Standard; and although the Standard reads alike to all, it does not necessarily follow that all understand it correctly. Before I enter into my subject, of what I think is the correct way to "Establish a Strain," let me say that final success, or partial and possibly total failure, in any business depends largely on the application of practical, common sense. This is not less applicable in breeding poultry to the requirements of the Standard, than to any other pursuit of life. Poultry breeding may seem small to men who have given a life study to the development of other branches of business. Their attainments, however, are no more than the practical, progressive poultry fancier, whose one consuming thought is to breed his birds as nearly to ideal specimens as possible, which will entitle him to highest honors when in competition with other breeders, who are also determined to breed to the highest type of perfection.

Successful poultry breeding, breeding with an object, is a science. It calls into action the best energies of a man who is possessed of the required "gray matter," to so mate his birds that their progeny will possess Standard markings to as equally a high degree or to a greater extent than the parent stock. How to accomplish the desired results in mating the breeding stock is the last rung in the ladder, not gained by any, but sought by all who are possessed with the spirit of a real fancier.

Record keeping is the key-note to improvement. By what method of breeding can a man expect to establish a strain? Has a man any right to expect improvement from mating a choice male with an equally choice female, unless he is positive that both are the direct offspring of equally choice specimens? Is such mating in accordance with the laws of Nature? It is very true that good results may be accomplished by such a mating, but it is none the less a chance mating; and no man can ever even partially master the "science of breeding," and produce stock that will be accepted by the careful, painstaking fancier, unless he keeps a record of his matings.

The great majority of breeders in the poultry fraternity today do not keep a strict record of the breeding pen. Nearly all keep a record of the chicks as they are taken from the nest, but with many, very many, the record ends there until another hatching season. Such record keeping, while it is good as far as it goes, is by no means complete.

I will now endeavor to give a description of the course I have pursued in establishing my strain, by breeding "Black Minorcas to the Standard." I attribute my success thus far to having kept a record of all matings that have been drawn upon to build up my strain, together with the record of all chicks as they were taken from the nest or incubator, by the common punch-mark in web of feet.

I wish now to quote from my record of matings to illustrate. On February 14, 1896, I mated the pen that produced "Adirondack Chief," first prize Minorca cock at New York, 1898. In that pen was one hen, hatched April 17, 1894, mother of the bird that bears the name of my strain. Following is her description as I wrote it on the above date: Comb, quite large, but it lays more across the head with but little inclination to conceal the eye, with six points, and not of the desired shape at the rear end. Lobes, pure white and close fitting. Eye a shade lighter than I desire, but very bright. Face none too smooth, but wattles of even length, and with but one fold. Head carried well forward, and neck hackle slightly twisted near the head. Back, long, broad and slanting back to the tail, which is carried too high. Body, is long and deep and breast is quite broad. Legs are long, and strong boned, and seem to retain some of the scales of last year, which give them an uneven color. (Note: Next season's description shows them to be of one color, but rather light.) Color, a solid black in all sections, but a little purple in the wing-bow, and wing-coverets. Fluff, short. Weight, 8¼ pounds. She was bred from a pullet, hatch of 1893, that weighed 7¼ pounds at mating time, and she (the granddam of the Chief) commenced to lay in October, and kept in condition until the moult. 1893 is the first record I have of any mating.

To show the necessity of record keeping I wish to say, that with very few exceptions, I have no distinct recollection of birds before that time, and could not describe one bird fully previous to 1893.

It is not a tedious job to select eggs from some of the choicest hens, and set them separate and give those chicks a different mark from those hatched from the same mating, or pen, while the result will be such as to enable the breeder to judge accurately the effect of his matings. Some may ask if I keep a description of all matings, and anticipating such question, will say that I have not done so until 1897; and now it is more of a pleasure than an effort, and the results have enabled me to establish a strain that will reproduce themselves with a good average per cent of chicks that conform to Standard requirements.

It is possible to establish two distinct lines, in line breeding. One way is to establish a line of males, and another line of females, from two distinct matings. That is not what I consider the proper course, and I will not occupy space to trace it, but will endeavor to describe the single mating, i. e., a mating that will give a good per cent of chicks of both sexes, that will conform to Standard requirements—the only course which, I believe, will make it possible for "like to produce like."

First, you must know that type makes the breed, and color the variety; and when you get your birds to breeding a good per cent of typical birds infuse new blood with an outcross; but be sure you are getting what you desire to improve your stock, and do not by any means depend entirely on the out-cross, until you see by the development of the result of such mating that a good per cent of the chicks mature satisfactorily. If you breed a cockerel that is as good or better than his sire, mate him back to his grandam, and mate his sire to pullets of his own get; oh, your hands go up in holy horror, because this is inbreeding. Keep your hat on, use judgment with the determination to master the science of breeding, with ultimate success. The next season, cross the result of both matings; and if the type and color were good in the first mating, you have established a strain, and no amount of "bullying" can gainsay your right and title to such distinction.

As soon as the hatching season begins, I place the eggs from each mating separate; and to be sure of no mistakes, the eggs are marked before being taken from the pen. When placed under the hen for hatching, a strict record is kept and credited to the mating that produced the eggs; and when the chicks are hatched, each one is punch-marked in the web of foot and recorded accurately. But I hear the so-called utility man say that is altogether too much trouble. Well, if it is too bothersome for you, let it alone; you are not building for the upbuilding of the fancy, and to devel-

op Standard markings, but I am; and I would not breed from a hen that was not Standard bred, and bred from Standard stock, if she would lay an egg every day in the year; nor would I breed from one that was a crack show bird, unless she was a good layer; in fact, it is neither wise nor necessary for Minorca breeders to lower the productiveness of the breed for the sake of fine feathers. Utility and beauty can be combined; it is constantly being done by others, and you can do it with the exercise of care and energy, which is required in the science of breeding.

We read altogether too often that the fanciers pay too much attention to fine plumage and correct type, and that we would rather ruin the usefulness of the hen as an egg-producer, and sacrifice health and vigor, than to build up a strain of egg-producers. If such is a fact, why do some of the utility writers draw on the fancier for a pure bred male, to infuse new blood into their great laying strain? I do not question any man's word on the productiveness of stock as layers, but I do know that "Black Minorcas" can be bred to the Standard, and not injure their redeeming trait, which is to lay large white eggs and not merely for a season. But they do begin business with their new dress of feathers, of a beautiful black with the green sheen, and they are winter layers, and they can be made more and more productive each year with judicious care in selecting the breeding stock.

With a record of the chicks when hatched it is very easy to follow up such record when mating up the breeding pens; and if any real visible advancement is expected this must be done. There is absolutely no science in breeding unless the breeder knows his matings. Of what real value is a record of the hatchings after a few years, unless we have a record of the mating that produced the chick? Admitted that we know the bird was from such a mating at the time, in years to come we only know it was hatched in such a year. With proper care and attention given to the description of each individual bird in the breeding pen, better results will accrue. While a breeding pen record is not absolutely perfect, except when we know eggs were laid from certain hens, it is next to pedigree breeding; and I question very much if a man can establish a strain and follow "line breeding" without keeping a strict record of his matings. Try it a few years and you will be surprised at the result. A breeding pen record is to the fancier like the family record, except more thought is given to mating the poultry than in some families.

White Plymouth Rock cock "White Prince," score 95½, winner of 1st at Indianapolis, 1897, and 1st at Indiana State Fair, 1898. Hen "Mamie" winner of 1st at Indiana State Fair, 1898, score 96 as hen by Pierce. Bred and owned by U. R. Fishel, Hope, Ind.

Now that the show season is at its warmest point, I wish to point out to the timid breeder the necessity of exhibiting to prove the quality of stock. Breeding is nothing; record keeping is nothing, and telling of your stock is less than nothing, unless you will line up your stock with that of other breeders. Help to increase the demand for Standard bred poultry by patronizing the exhibition. Show your stock to win the prize, with your laurels. If you do win, advertise the result of an honest effort. Where would the fancy be today if the real fanciers did not exhibit their stock? Would the poultry journals be filled with advertisements of progressive, energetic fanciers if the interest in exhibiting was to die out? I will say without fear of succesful contradiction that the exhibitions are the life of both the fancy and the poultry journals; and breeders who do not exhibit are a leech on the fancy. Exhibitions create a demand for better stock, and more of it. A show record is honorable; it speaks volumes for the ability of the breeder to produce good stock. It enables one to trample dirt under his feet, and it will spur him on to renewed energy. It enables a man to "utilize even the thorns in your path, but not for a pillow."

The American Cereal Co. of Akron, O., the greatest food purveyor in cereals in the country, here showed fifteen products for feeding poultry. Chief among these is their celebrated American Poultry Food, but this immense house recognizes the field as one worthy of special notice and offers a large assortment of goods.

Effective advertising matter must be attractive. Unless the eye is pleased and the sense of the artistic that is at least latent in every one is ministered to, an advertisement loses much of its value. This is especially true of circular letters and price-lists. A poorly printed circular is a positive injury. This comment is apropos of a 16-pp pamphlet sent out by a woman in Kentucky. She has gone to the expense of getting modern stock cuts and writing a very commendable circular. Her descriptions of birds are well worded. The preliminary cost and the postage and mailing are exactly as much as in the case of a fine circular. But at the last and most important point the work fell down. It was given to a printer who has no conception of how a job should look. The place is in Massachusetts and the man advertises "the cheapest prices on earth." He ought to say the poorest printing, too. We advise our readers to avoid such errors as trying to save at this end of the work. The printing must be well done in order to make the circular worth the cost.

———o———

C. E. Ellsworth, of Danville, Ill., won at Hoopestown, Ill., show Dec. 12-16, 1898, on Buff Wyandottes, as follows: 1st hen, 90½; 1st and 2d cockerel, 92½, 90½; 1st and 2d pullet, 93, 92½; 1st pen. At Danville, Ill., show, Dec. 28-31, 1898: 1st cock, 90½; 1st hen, 92½; 1st cockerel, 90½; 1st pen. Was beaten by pullet by stock from eggs he sold.

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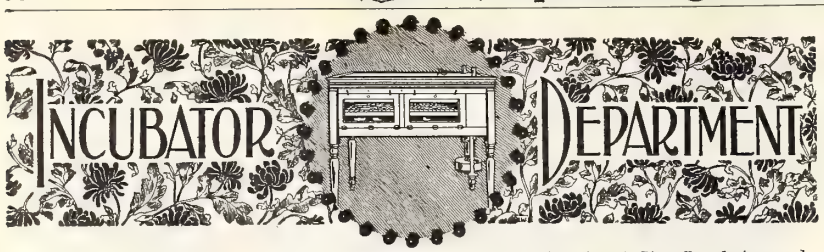
J. H. Doane, Gouverneur, N. Y., has nine pens of his famous Black Minorcas that are mated to the queen's taste.



Written for AMERICAN POULTRY JOURNAL by L. S. Bache, President Star Incubator and Brooder Company, Bound Brook N. J.

The idea that held sway so long that it requires an "expert" to operate an incubator is now a thing of the past. Manufacturers of incubators and brooders are now striving for and reaching in their incubators that thing most needful, "simplicity." Artificial incubation has reached to the point where nearly if not quite every hatchable egg produces the chick, and this is especially true where the incubator is constructed on proper principles.

What are proper principles? That is a question that we can answer only for ourselves, yet all will agree on the broader points of proper application of heat, and necessary ventilation and moisture as needed in the individual machine that one is using. Looking upon nature as a guide, first we find top heat; and following this rule, most all makers are manufacturing their incubators with the radiator (and radiator it must be, whether it be filled with hot water or hot air) in the top of the machine directly over the eggs. And while on the question of radiators, we would like to say a word in reference to the much talked of "moist heat" that is to be found in the incubator that is heated with hot water. Only a short time ago we received a letter from a party, who said: "We prefer hot water machines, because we do not get the moist heat in the hot air machine that we do where it is heated by hot water." We quote this to show that even yet this question is brought up. In looking into this question, first, we have what may be termed a wooden box in which to put the eggs we wish to incubate. Now we turn to some way of heating it. Hot air and hot water methods are the methods commonly used. We select, say, one of each style. In the one we construct our tank and make the necessary attachments with the lamp, so that the heat coming from the lamp goes direct into this tank, and after circulating through it, as best pleased our fancy, we let it escape through openings prepared for that purpose, and continue taking fresh heat from the lamp to keep the machine at the proper degree of heat. In the other case, we make necessary attachment to the lamp so that the heat will come in contact with some part of our tank or boiler, which is filled with water. Our lamp is lighted, and the water commences to heat, and of course starts to move at once. That which is nearest the heat coming from the lamp is, of course, the warmer, and is forced from the lamp, and it in turn forces the colder water to the heat.

That covers the difference in the heating of the chamber, as far as we are able to see; and as the air in the incubator in both cases only comes in contact with the outside of the tank, and does not in any way come in contact with the contents of the tank, we fail to see how it is possible for the air in the machine heated by hot water to be any more moist than it is in the other; for of a certainty the water in the tank does not get through the iron or copper of which the tank is made, and can in no way affect the condition of the air existing in the egg chamber. Understand us, we do not wish to be understood as condemning the hot water system, for we believe there are some good incubators made that are heated with this system, but we are speaking entirely of the often expressed idea of "moist heat." So, if you were not basing your purchase of an incubator on the "moist heat" of a hot water machine, do not let this influence you in any way.

We now have followed nature and heated our machine by using top heat and having the regulator properly adjusted with which we are to control the heat. We then look for the next thing, which we find is the turning of the eggs. This is something that must not be neglected, for if it is, the growing germ is liable to stick to the shell; and if this happens at the end of the period of incubation, we shall find that our work has been for nothing. Various methods are used for turning eggs—some by inverting the tray, others by patent arrangement, "pulling the string," so to speak, and others by simply rolling them about with the hands. We prefer the former, for then we are sure they are all turned. Before going further, let us say, when you have purchased your incubator and have received it, the first thing to do is to get the book of directions that comes with the machine, and then make haste slowly.

Do not do as some do; look into it and find several pages closely printed and conclude that you have not time to read all of that, and that you know all about it. Even if you are an incubator expert, there may be something about this machine that you never found in another. Remember this, the manufacturers of incubators are not spending time and money getting out books of instructions to go with their machine just for fun. Every word contained in these books means something or it would not be there. We have a case in mind, where a gentleman purchased an incubator, and after running it a few days wrote the manufacturers that it took too long to get the heat up. Upon calling on him and asking to see the machine, the thermometer was found to be in the bottom of the machine instead of on the egg tray. After this was corrected there was no further trouble; but, on the other hand, suppose that he had left it there and filled it with eggs and run it "according to instructions," with the thermometer at 102 or 103 degrees on the bottom of the incubator, at the end of the three weeks he would have found a machine full of nicely cooked eggs. Then it would be a worthless incubator and the manufacturer would be in for it. This instance is an actual occurrence and came under the notice of the writer.

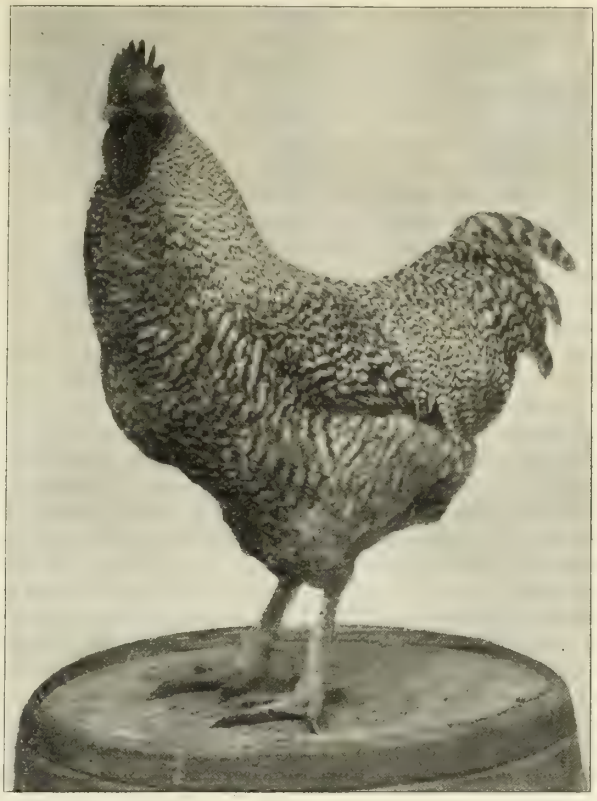
You may say, "I would never do anything as foolish as that." True, but unless you do become thoroughly acquainted with the instructions accompanying the machine you are using or are about to use, while you may do nothing as foolish, you may do something that will prove just as fatal to the eggs you have in the machine.

In selecting eggs for hatching, if possible get them fresh—not from cold storage, but from the hen; and if possible, buy your eggs from someone who is known to have a good flock of birds. By this we don't mean that they must be prize winners, but of good, strong constitution. If you are expecting to hatch from your own flock, we would suggest that you do not force them for egg production, or you will lessen the vitality of the egg, and even if it does hatch you will have trouble in raising the chick. Fowls fed on soft food filled with condition powders and so-called egg foods do not, as a rule, produce strong eggs. There may be exceptions to this rule, but with our experience with fowls we have always found that the ones fed on good, sound, whole grain and kept free from egg foods during the hatching season have produced the

strongest chicks. This we simply give as our experience, not as a law.

Select your eggs for use in the incubator with the same care that you heretofore used when you were setting the hens. That hen that you have had on the farm for so many years that has proved to be such a good sitter—do you remember that when you set her you took the large basket of eggs and picked out all the eggs that were of nice shape, and with smooth, strong shells? And how much the eggs resembled each other in shape? Use the same care in selecting them for your incubator, and it will give you as good results as did the "old hen." Do not set those of irregular shape, or with wrinkled or rough shells. They seldom if ever hatch. We have set numbers of them, but if we had sent them to the store we should have been dollars to the good.

Testing the eggs is quite an important branch of the business. When to test depends largely on the eggs you are setting. If they happen to be from the Leghorn family, you can see them very plainly on the fifth day; while if they come from the Brahma, it is better to let it go until the seventh, on account of the thick shells. For the second test, any time between the tenth and fourteenth day. On the fourteenth day eggs that appear solid up to the air cell will hatch better than those that have a thin, watery appearance. If your book of instructions tells you to keep the thermometer on a fertile egg, be sure you have it on one, and on an egg that has a live germ in it. If you find, when testing on the fifth or seventh day, that the eggs contain something that appears to be like a large spider, that is a good egg; while on the other hand, if it is perfectly clear, it is infertile, and may be used for cooking, if you wish. Personally, we don't care for them, preferring to feed them to the hens. If you should find that the germ has started and is surrounded with a red circle, throw it out; it is dead. The egg tester most commonly used is the one that fits on an ordinary lamp and is provided with an opening in the side, fitted with a piece of cloth with a hole in it. Place the egg against this hole, after you have the tester properly fitted to a lighted lamp, and if you are in a dark room you will have no trouble in testing out the eggs. Why are we so careful to mention each little detail? Because not long ago a lady wrote that she "could find no place on the machine where that strange looking thing with the hole in the side fitted; she had tried it on the main heat flue and on the pipes where the heat escaped from the radiator, but it would not fit any of these places." She also wished to know if "the can screw on the end of the machine was where she should pour in the water to fill the tank." (Ours is a hot air machine.) This is another case of improperly read directions, even if they were read at all.



PLYMOUTH ROCK COCKEREL.
Bred and Owned by R. W. Duryea, Great River, L. I., N. Y.

The above are a few of the things common in all machines. On the question of ventilation and moisture, we can only speak for ourselves.

The use of artificial moisture, the term commonly applied to the placing of pans of water in the egg chamber of an incubator, has been the rock upon which many operators have failed or given up in disgust. The user of the incubator well knows how difficult is the question of when to apply the moisture to the machine, and how much. For it is a well known fact that should it be put in the machine too soon, not soon enough, too much, or too little, the result, if not a complete failure, is a poor hatch, accompanied with a few "pleasant words" for the manufacturer. Where artificial moisture is necessary, it is impossible to lay down cast iron rules for it; for locations differ and the same rule could not be applied to a machine run in the central and western states as one of like make run on the sea shore. It is also true that a machine located in the cellar and one on the ground floor are different. Even finer than this is when applied to a machine run in January and one run in August in the same location, the conditions are different and the machine must be operated accordingly. What is accordingly? We confess we don't know, and we doubt if anyone does. This very fact led us to look deeply into the question, and it is this study and research that has put the machine on the market that we are offering to the public.

Something over a year ago, when we commenced to talk "No artificial moisture," we had a hard row to hoe, for the reason that the old operators, knowing the difficulty of hatching with the old system, and how careful they must be or no hatch, it was beyond their belief that it was possible to hatch without artificial moisture. Yet today, after many of them have thoroughly tested this, they praise it higher than we ever dared hope.

It will take but a few words to thoroughly explain the system we use. As stated in the beginning of this article, we must have heat, and following nature, we believe in top heat. We therefore constructed our heating apparatus on this principle. This we worked down until we found that we could properly heat every part of the egg chamber. Next came the vital question of ventilation. We say vital, for

this is fully as important as the heating, and much more difficult to properly control. In the old system of using artificial moisture, all we could do was to advise you to watch the air cell in the eggs, and if you found this was getting too large, caused by the eggs drying down too fast, then apply moisture to stop it and close your ventilators a little more, so as to cut off the current of air that was passing through the egg chamber. If, on the other hand, they were not drying down fast enough and you were not using artificial moisture, then open them a little farther to allow more air through the chamber, so as to get the air in the chamber dryer and dry down the eggs.

At the very best, this information was very indefinite, to say the least; and how many times have you adjusted the ventilators after following these directions, and then gone back and changed them a little, wondering if you were right!

In getting out the system of ventilation for our incubator, it was the effort of the inventor to do away as much as possible with this guesswork and get the system down to simplicity, so that anyone could operate the machine and be assured of a good hatch if the eggs were capable of producing. The result is as follows: In ventilating this machine, we started the air into the machine through tubes extending through the bottom of the machine two inches below the bottom, so as to avoid taking odor from the lamp, should there be any. It is then taken up against the lamp flue, entirely surrounding it; carried in a separate channel through the tank and entirely surrounding the main heat flue to the opposite end of the machine to which it entered. Here it is discharged into a distributor and distributed to the end of the egg chamber; then it is carried across the eggs, above and below them, and discharged at the same end of the machine at which it entered. Thus the chamber is perfectly ventilated.

We find that nature has supplied an egg with everything needful for incubation, and if we do not transgress the laws of nature we will have no trouble in hatching the egg. Nature has supplied the moisture. This we wished to retain in the machine, to avoid being obliged to apply it artificially. We found that were the current of air strong, we should carry out the moisture supplied by the egg; therefore, by reducing this until it is hardly moving, we retain in the machine the moisture with which nature furnished us. How is this possible when the existing conditions are so different, where the different machines may be located? It is possible because of the fresh air that is taken into the chamber. It is so thoroughly heated before it is discharged to the egg chamber that it is always in the same condition of dryness regardless of the existing conditions in the room or cellar where the machine is located. It makes no difference if the cellar is so damp that there is water standing, or if the air is as dry as dry can be, it must pass through these heated channels, and be subjected to this great heat before it is discharged to the egg chamber. Therefore, it is always dry. It is then only moved fast enough to keep the chamber sweet. It ceases to become a current, it simply moves. Because of the conditions that we know always exist in the inside of the machine, it is possible for us to give you positive directions for the operations of the ventilators, which we do. The operation of the machine is therefore reduced from the heretofore large amount of guessing that was necessary, to simply filling and lighting the lamp, adjusting the regulator to the proper amount of heat, setting the ventilator as directed, testing and turning the eggs. Nothing could be more simple, and nothing is more easy.

The statement that the hen supplies moisture to the eggs when sitting, that she "sweats," and therefore dampens the eggs, is often made to us, and we are asked if this is so. Yankee style, we generally answer this by asking one, i. e., If by sweating the hen prevents the eggs from drying, how does she manage it when the chicks come out as they do, wet, in drying them down? Would not the same "sweating process" keep them damp? Even if they did get dry, when she hovered them would they not get damp? If they did, and then run out in the air, if it happened to be a cold day, the result can readily be imagined. Personally, we never saw a hen that would "sweat" on the body. The fact of the matter is that the heat from the hen evaporates the egg the same as the heat artificially applied from the incubator, and there is enough ventilation through the feathers to carry off the surplus moisture. This is where we get our belief that only enough ventilation in an incubator is required to simply keep the chamber sweet.

If a word in regard to brooding may be allowed, I should like to add: Do not have your brooder 95 degrees and then put in fifty to seventy-five chicks, for if you do the heat in a short time, caused by the animal heat of the chicks will, in our opinion, be entirely too great. If you wish to start it at that degree of heat, watch it carefully and keep reducing it until you have it at that point after the chicks have been in for several hours. Overheating and overfeeding, in our belief, kills annually more chicks than all other causes put together. Keep your little chicks busy, and if you are especially generous after you have fed them what you think they need take away about one-half of it, and you will have about what you require.

As a last word, Do in the matter of artificial incubating and brooding the same as you do in other matters of business, mix with your theories about 99 per cent. of good judgment, and we venture to say you will not get far wrong.

L. S. BACHE.

UNDERCOLOR IN BARRED PLYMOUTH ROCKS.

By J. B. Kimenour.

It is to be regretted that many very prominent breeders of Barred Plymouth Rocks are paying so much attention to a matter that does not tend to improve the breed, viz., undercolor. The points that please the eye most, in my opinion, are surface color, size and shape. In order to get very strong undercolor, many breeders neglect other points.

Judges are giving too much value to small and somewhat unshapely birds. What I think we should all do is to first encourage and favor size and shape. The fact is that many cockerels weighing only from 5 to 6½ pounds, and pullets as low as 4 pounds, win the leading prizes.

I also favor in males much lighter colored specimens. I prefer as light a colored male as possible, provided he does not fail in good barring. I am told that many of the western judges favor the light colored males. This is as it should be.

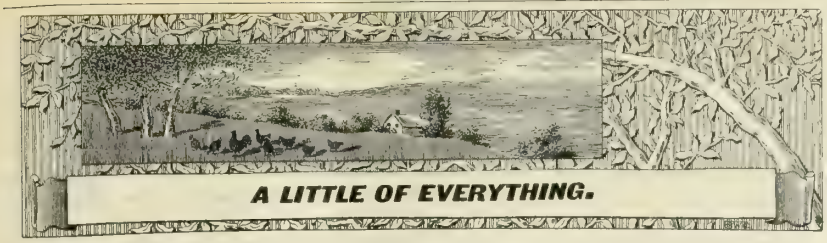
The finest birds I have ever raised came last season, and three-quarters of them are from a single mating. One of my yards in particular last season produced from eight females and one male the finest lot of cockerels I have ever seen; and from the same yard I can show at least ten pullets that would be hard to beat in any show room.

There is too much loss in practicing the double mating system.

If a breeder wants to illustrate his birds, the only fair way is to use the camera.

Many of the cuts of birds are just as misleading as private scoring. In some cases, more so. I do not approve of either of these latter plans.

Belvidere, N. J.



A LITTLE OF EVERYTHING.

Michael K. Boyer, editor "A Few Hens," Hammonton, N. J., writes this department:—The essentials for successful poultry work are working capital, comfortable houses, thoroughbred stock and pure blood. Exercise goes with the feed, as a matter of course. Hardiness must accompany thoroughbred stock and the man must have grit, push and perseverance.

H. P. Clarke, Indianapolis, Ind.—Speaking of the true fancier, (not the farmer or market-poultryman), I cannot see any sense in devoting one's time to such common stock as Plymouth Rocks, Leghorns, Brahmas, etc., when these things can be had of any huckster at 25 cents each, and the yard room they occupy could be devoted to genuine thoroughbreds; viz. Games. [Note.—We have long known Mr. Clarke as breeder of Games, but we did not know before that he is a humorist.—Ed.]

Struther Sisters, Princeton, Ill.—We put clover hay in the scratching shed for our Langshans. They eat the leaves and blossoms while scratching for the grain. It invigorates the fowls and helps egg production. We are getting plenty of eggs, for all the zero weather.

Thos. McKee, Washburn, Ill.—In feeding in the morning we give a mash, not hot, of bran three parts, ground oats and corn one part, and shorts one part, oats at noon in straw; whole corn at night; water in forenoon. With this we have good success.

Bennett & Millett Co., Gouverneur, N. Y.—The Little American Hen is a hustler and is able to work up a living for herself under nearly all circumstances, but if she is expected to help earn the living of her owner she must be given an opportunity to do it. Provide her with the proper kinds of food and make her exercise. Confine her without exercise and she will get fat and a fat hen is not a money earner, neither is she a reliable breeder.

D. F. Taylor, De Ruyter, N. Y.—The continuous mating of "dead white" Plymouth Rocks produces willow legs, a little yellow tinge in plumage (not brass) denotes vigor and vigorous stock fills the egg basket.

Ralph H. Mathew, Sabina, O.—Salt water will work wonders toward reducing a swollen head. Russian sunflower seed fed three times a week—for three weeks before an exhibition—will give the plumage a lustre as bright as a silver dollar. Show some next spring and try it.

J. L. Yoke, Carey, O.—Now is the time to take care of your flocks. Keep them well housed, keep their premises clean. Give them a warm mash in the morning; grain scattered in litter for the other feeds; keep oyster shells and grit constantly with them, and give them a feed of green cut bone twice a week. A healthy flock and plenty of eggs will be yours.

Judson H. Doane, Gouverneur, N. Y.—Now is the time to mate up your breeding pens, and try to get away from the idea that it is a gain to breed from birds of inferior quality. Defects of a minor nature can be overcome in judicious mating; but cull closely, and by all means keep a record of your matings; a record of the breeding pens, will be a good help in subsequent matings, and it is the "key" to line breeding.

B. G. Smith, Elmira, N. Y.—White stock should always be washed before sending to show. We take three wash tubs; make water lukewarm in each; use good soap; wash in No. 1 tub; rinse in No. 2 tub; clear up in No. 3 tub, then dry.

J. R. Hudson, Hardin Springs, Ky.—To fatten and sustain warmth sound corn cooked by boiling until the kernel mashes between the fingers, fed 25 grains every morning to each fowl. Live wood ashes mixed with dry dirt will clean fowls of lice, as a dust bath.

Joe Farmer, Flushing, O.—If there is any one thing that needs, above all else, to be printed in large letters, it is: Describe just what you want when inquiring of a breeder for prices and stock. This enables the seller many times to please his patrons where otherwise he might fail, and often averts hard feelings between buyer and seller.

G. C. Flegel, Westville, Ind.—I believe in healthy fowls, for it is from such stock that strong birds are raised. I have no time or inclination to doctor an ailing bird. Therefore, my doctor is an ax. A droopy or sluggish Wyandotte cannot be found in my pens.

Dr. E. B. Ballard, Chenoa, Ill.—Is the poultry business overdone? The lower end of it is; the upper end is not. On looking through the advertisement pages of a number of our best poultry journals I find there are thousands of cheap birds offered for sale at $1 and $1 each. I also find there are very few 94 and 96-point birds. I believe I could sell 100 of the latter if I had them. The supply does not equal the demand for such stock. Fewer birds but better ones is the motto.

F. S. Burch & Co., 178 Michigan st., Chicago.—We have had several calls for "cramming" or "forcing" machines, to stuff geese with. Kindly inform us where they are made and what they cost. We could sell a number of them. [Reply by the editor: There are no such machines made in this country, to our knowledge. The cramming process has been proposed here in Chicago, we believe, but the project fell through. It is practiced in France and some of the regions of northern Europe. The apparatus is used for fowls other than geese. The birds or set in small nests, in a rotary pen containing tiers of nests. They are not permitted to exercise. The food is injected, in liquid or soft form, into the crop with a force pump and small tube. Three weeks, we belive, are given to the process. Geese are artificially forced, to secure excessive livers. Possibly the incubator-makers can give more information on the point of constructing one of these machines. It must be built as a part of the plant, not as a mere incident.]

HATCH Strong

CHICKENS

Then keep them healthy and growing if you want the *Pullets to lay* when five months old. When hens lay eggs for hatching mix in their food every other day

Sheridan's Powder.

It strengthens the hens; makes the rooster *more vigorous*; finally you get more fertile eggs and strong healthy chickens. Persons who *succeed best* in keeping Poultry, commence with little chicks; giving twice a week an even teaspoonful of Sheridan's Condition Powder mixed with each quart of food, gradually increasing the dose. Sold by druggists, grocers, feed dealers or by mail. Single pack 25 cts. Large can $1.20. Six cans, $5. Exp. paid L. S. JOHNSON & CO., 22 Custom House St., Boston, Mass

Poultry Do Have

These diseases. The first is what diphtheria is to human beings, and closely allied to that disease. *Symptoms* are, sneezing like a cold; slight watering of the eyes; running at the nostrils, severe inflammation in the throat, canker, swollen head and eruptions on head and face. **A breeder of fighting game** fowl which from their habits, are more liable to roup than others, gives us a **TREATMENT**, which he says is a **Positively Sure Cure for the**

ROUP, CANKER, Rheumatism, LEG WEAKNESS.

ROUP

By the use of

JOHNSON'S

Anodyne Liniment

Space here will not permit giving his full directions for use. Send to us for full particulars, by mail, *free*. It also cures all Bowel Complaints, Leg Weakness and Rheumatic Lameness like magic. Sold everywhere. Price, 35c., 6 bottles, $2.00. Express paid Pamphlet free. L. S. JOHNSON & CO., 22 Custom House St., Boston, Mass.

Published the first of each month by
MORGAN BATES & CO.

Entered at the postoffice at Chicago, Ill., as mail matter of the second class.

Subscription price 50 cents a year in advance.
When delivered by carrier in Chicago 75 cts. a year in advance.
Payment for AMERICAN POULTRY JOURNAL, when sent by mail, should be made by money order, registered letter, bank draft or express money order.
Stamps can be sent for small amounts.
Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a favor by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

All copy for advertising and manuscripts for publication should reach us not later than the 20th of the month preceding the date of issue.

A WORD ABOUT EXPIRATION OF SUBSCRIPTIONS.

As announced last month we have decided to discontinue sending A. P. J. to subscribers promptly when the subscription time expires. A. P. J. has many readers who have been subscribers for many years who have promptly renewed when a notice was sent them. These old and tried friends we wish to keep and for their information and the information of all our readers we have planned a simple way of announcing when subscription has expired. The last copy of the A. P. J. to which a paid subscription entitles one will be enclosed in a colored wrapper. This will constitute a notice to the subscriber that subscription has expired and that his renewal with remittance of 50 cents, the regular subscription price for a year, is requested and earnestly solicited.

This enables the subscriber to know just when the subscription time expires, and is a convenience to him and a good business policy.

Remember the colored wrapper.

THE BANQUET.

This was one of the pleasantest features of the show week, and is an acknowledged feature of the season. We promise our readers a full description of it next month.

PRIZE WINNERS.

To our friends who are working for prizes in our subscription contest we wish to say that all inquiries in regard to the contest will be promptly and fully answered and additional supplies in the way of sample copies and material to work with will be sent in any quantities desired.

Remember then, that all who are working for the grand prizes and working to help us increase the circulation of A. P. J. will be furnished with all necessary aid in their work by writing to this office.

THE JOINT CHICAGO SHOW.

The joint show of the Illinois State Poultry Association and the National Fanciers' Association, held in Chicago, at the great Tattersall exhibition building, Jan. 9-14, '99, has closed. We are glad to announce its success in its exhibits and financially. The old debts have been wiped out, all expenses of the show paid and there is a substantial balance left in the treasury as a nucleus for another year.

To the management that has made it a success we extend our hearty congratulations.

ILLINOIS STATE ASSOCIATION.

Grant M. Curtis, who has efficiently held the position of President of the Illinois State Association, at his own request retires from the presidency and is succeeded by S. S. Noble, formerly secretary . The new officers are as follows: President, S. S. Noble, Bloomington; secretary, Edw. Craig, Albion; treasurer, W. W. Summers, Curran. Board of Directors: Grant M. Curtis, Quincy; Frank B. White, Chicago; Fred L. Kimmey, Morgan Park; Edw. Craig, Albion; W. W. Summers, Curran; S. S. Noble, Bloomington.

THE PIGEON EXHIBIT.

A general description of the splendid pigeon exhibit will be given in our next issue, as we were not able to give it the space this month that its importance demands.

The first annual Catalogue of the American White Plymouth Rock Club is ready for distribution and can be had by addressing Frank Heck, New Albany, Ind. The book is a creditable production and will be of great advantage to all who are interested in this fine variety of the truly American breed.

Thos. L. Williams of 118 Willard Ave., New Albany, Ind., says his White Wyandottes are all right and so are his prices. He was a winner at the Southern Indiana show.

LESSONS OF THE SHOW.

The first lesson taught by the Chicago poultry exhibition is the material advancement of the poultry industry during the past five years.

This was shown forcibly by the number of specimens in the coops but especially by the display of poultry-yard appliances in the stalls.

While the number was good in the entries of stock, the quality of the birds shown was far superior to that of any previous show in this city. We leave technical description to others and to the official record of awards. The purpose of this review is to point out some of the proofs that sustain the claim of general improvement in the business.

From every section of the country comes the same report: Large exhibits of good birds and a deeper interest in the cause of poultry culture. We are experiencing the revival of prosperity that comes to every worthy industry after a period of depression occasioned by excessive indulgence. Some forty years ago there was a "poultry craze" in America. At intervals of ten years there "booms" and collapses. Once more we are in the midst of a restoration of good feeling; but now the industry is based upon a substantial foundation, created from the wrecks of fads and booms. The movement at the close of the century is not due to excitement and folly. It is the legitimate outcome of experience; and the product is a class of national wealth as national and demonstrable as any other food staple.

Poultry is a fact: It is no longer a theory. It brings to the nation an annual revenue of more than $300,000,000.

There are side phases, not included in this estimate, which add the pleasures of art to the pursuit of practical utility. Fanciers delight in improving the varieties, while breeders engage in the solid commercial work of building up races of fowls that are business makers.

This was shown at the recent display. These were birds to charm the eye of the idealist, but there were whole flocks to attract the attention of investors for profit. The poultry entries numbered about 1,600; the pigeons about 1,000.

The greatest proof of this fact, however, was seen in the displays of machinery and appliances for poultrymen. The investment of money by manufacturers is never sentimental. It is put where demand compels the supply.

First, there were incubators and brooders in larger display than ever before. The Reliable, of Quincy, led in size and appliances. There were

11 incubators, 27 brooders, and a brooder house in operation, with an entire exhibit of process.

The Des Moines Incubator Co. had two incubators and 12 brooders; the Shoemaker company had four machines and five brooders; the Star company had four machines and seven brooders; the Von Culin company had one machine and two brooders.

The Mann Bone Cutter showed 11 bone mills and a feed cutter. The Premier Bone Cutter was also represented.

There were other concerns that submitted specimens of their goods in lines that may be termed the direct and specific forms of poultry trade.

But what we wish to call especial attention to as illustrating our point is the remarkable display of poultry foods and conveniences by houses outside of the immediate circle of poultrydom. That is to say, general supply houses which have come to recognize poultry raising as a fixed and substantial industry warranting the investment in machinery and methods to supply staples for a trade.

F. S. Burch & Co., 178 Michigan st., Chicago, displayed practically everything needed in a poultry yard. Here is another evidence of the magnitude of the poultry business. F. S. Burch & Co. are large dealers, reliable in every sense. They can fit out a poultry man with everything inanimate, from Lee's Lice Killer to a carload of Mica-crystal grit.

Armour & Co. showed their meat, blood and bone preparations. This house engages only in projects that pay.

The DeKalb Fence Co. showed fencing and devices for yards that are indispensable.

Darling & Co., stockyards, Chicago, came in with a large variety of foods, meal, bone, meat scraps, and products necessary to economy and health in the flocks.

We allude to these concerns, without attempting a descriptive write-up—since what is said here is entirely voluntary—solely for the purpose of proving that the poultry business is admittedly an established feature in the industries of the nation.

In regard to the specimens, we have asked disinterested persons to submit comments. The first is by Mr. Rigg.

———o———

Joseph H. Grant, of Elmira, N. Y., won at the Elmira show: Light Brahmas, 2d cock; 1st, 2d and 3d hens; 3d cockerel. Buff Cochins—1st, 3d cocks; 1st and 5th hens; 3d, 5th pullets. also first pen and silver cup for highest scoring Asiatics.

MAGAZINES.

The American Monthly Review of Reviews is unique in character and admirable in tone. It is as impartial in its editorial pages as a magazine of decided views can well be. Both sides of every vital question are presented. The magazine is indispensable to a reader who is desirous of getting the best thought of the month in condensed form.

The Cosmopolitan in taking up the question of business success through organization, as seen from the standpoint of successful men, is presenting one of the most interesting phases of modern problems.

The Ladies' Home Journal leads all other publications in circulation. The popularity of the magazine proves beyond cavil the merit of the great enterprise.

Scribner's Magazine is somewhat too much given to repeating the stories of the war, but there is always something else in its pages.

Harper's publications are maintaining the splendid position taken by them. They cover the world's range of thought; the stand in their several classes pre-eminent.

THANKS TO THE WESTERN FANCIERS.

Allow me, through the columns of your journal, to thank not only the committee and the members of the Joint Association for their kindness to me, but also to the many hundred fellow fanciers who so kindly greeted me on every side. Never was a more cordial demonstration extended to me. The open and frank reception shall always be the bright spot of my life.

The novelty of seeing so many ladies interested in the fancy is pleasing in the extreme. When facing the large assembly in the banquet hall their presence added interest to the occasion, while in the show room they displayed their knowledge of the varieties that interested them.

After the rush of show work is past it shall be my pleasure to give your readers my impression of the Chicago show from our standpoint, comparing it with our events of like proportion. To all I say, not good bye, but farewell, hoping soon to meet again. T. F. M'GREW,

1267 Broadway, New York City, January 16, 1899.

F. W. McKenzie, Concord, Mich., was a winner at Chicago in the Houdan class. He took the $25 cup offered by Grant M. Curtis, and 1st, 2d, 4th cock; 1st, 3d, 4th, 5th hen; 2d, 3d cockerel, all five on pullets, and 1st on pen.

———o———

A. & E. Tarbox, Yorkville, Ill., carried the honors at Chicago on Silver and Buff Wyandottes. Their [illegible] are among the foremost specimens in their respective classes in the United States.

Your Best Matings

Ought to receive the best of care. It is most important to dust them frequently with Lambert's Death to Lice to cause them to do their level best. It matters not how nice they are or how many prizes they have won, they will be nicer, cleaner, healthier and more profitable when free from vermin. Don't make the common mistake and think your birds are not lousy. Look among their fluffy feathers and see what you see.

Fertile Eggs

are always desired from breeding pens. These are the product of vigorous stock. Lice weaken a bird and subtract strength and vitality that should go into eggs. A quarter or even a dime spent for Death to Lice now would pay you many times over if it only saves you one choice egg and the one fine chicken. The best breeders assure you that a liberal use of Lambert's will result in

Stronger Chickens

than any one thing you can do in your poultry yard. You should know also that Death to Lice Powder is one of the g eatest remedies ever invented for vermin on setting hens. It positively will not injure the hen, eggs or little chickens should they hatch in it; and the beauty of it all, you can put it on the hen at any time during incubation, and if before the lice take possession it will keep the nest clean, sweet and comfortable.

This 1899

is to be the best chicken year on record. If you fail to make money it will be your own fault. You are not doing your best, and you know it. Before you are satisfied try

Death to Lice Powder for dusting fowls and setters. 5 oz. sample 10c. postpaid; 48 oz. 50c.; 100 oz. $1.00; by express from here or nearest agency.

Death to Lice Ointment for head li e on chickens or children, also scaly shanks on fowls 10c. and 25c. postpaid.

Death to Lice Special for making a liquid lice or mite killer, 4 oz 10c.; 16 oz. 40c. postpaid.

Agent's outfit $3.00. Books, circulars and full particulars free.

D. J. LAMBERT,

Box 308. Apponaug, R. I.

ANNOUNCEMENT.

The hatching season is now close at hand. Being located in the extreme Southern part o Illinois, my **WHITE WYANDOTTES** are seldom confined during winter and are foraging every day very early in the season, thus furnishing a larger per cent of

FERTILE EGGS

earlier in the season than fowls further north. I have not exhibited this winter but have kept my folws in good condition for supplying eggs for hatching. As I have been constantly improving and incr asing my stock from year to year and have reduced my expenses for this season I am now enabled to offer eggs for hatching

From Better Stock at Lower Prices

than ever before. Each yard of birds is of the same high grade as the others and I have no second grade yards. I set eggs from each pen and sell eggs from all pens alike at $1.25 per sitting of 13 eggs.

GEO. H. PHILLIPS,

Box 320 Villa Ridge, Ill.

Reliable Breeders' Directory

OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.

C. H. C. Anderson, Carlinville, Ill.

John H. Ryan, L. B. 195 Monticello, Ill.

L. H. Fuller, 133 Holly Court, Oak Park, Ill. Also 80—115 Dearborn st., Chicago, Ill.

A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minorcas.

H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.

C. H. C. Anderson, Carlinville, Ill.

E. E. Paris, Washington. Ill.

Chas. L. Gierhart, Tiffin, O. (E. B. Thompson strain.)

R-c. B. Leghorns.

W. C. Jackson, So. Bend, Ind. 2-1

S-c. White Leghorns.

Z. E. Swonger, Box B., Logansville, O.

White Wonders.

J. M. Culver, Peterboro, N. H.

B. B. R. Games.

J. C. Pratt, Agent. Residence and Yards, La Grange, Ill. Office, U. S. Sub Treasury, Chicago, Ill.

Pit Games.

L. H. Fuller, 133 Holly Court, Oak Park, Ill. Also 80—115 Dearborn st., Chicago, Ill.

Houdans.

John M. Wise, Freeport, Ill.

Japanese Silky.

Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.

S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.

S. D. Mandeville, Sidney, Ill.

Indian Runner Ducks.

Ber'd McCaffrey, Steubenville, O. 9-98-1y

I I BREED I I

Part. Cochins & Golden Wyandottes.

If you want eggs from as good stock as there is in the country you can get them from me at $3 per sitting—13 eggs. My cochins score from 92 to 93½ and Golden Wyandottes from 91 to 92½, by Shellabarger. One G. W. cockerel and 6 P. C. cockerels for sale.

H. A. TOWNE, Sac City, Iowa.

Barred Plymouth Rocks.

Stock first-class, healthy and vigorous.

Write for prices.

FRED GRUNDY,

Morrisonville, Ill.

HEN WANTS.

If you want your hens to be profitable you must supply them with the necessary food and appliances—working material. We handle a most full and complete line of... **POULTRY SUPPLIES** embracing everything from a poultry bit to an incubator. We mail **FREE** a large illustrated catalogue containing full description and prices to all interested inquirers.

HARVEY SEED CO., 30 Ellicott Street, Buffalo, N. Y.

OUR EGGS ARE NOT THE DOLLAR KIND

Indian Games, per sett'g, **$3.00**
Buff Ply. Rocks per sett'g, **$2.00**
Pekin Ducks, per setting, **$1.50**
Mica Crystal Grit, 100 lbs. $1; ton $7
Cshd OysterSh'ls, 100 lbs. $1; ton $6.50

CUT CLOVER 100 lbs, $1.25; 200 lbs, $2.00

Pure Beef & B, 100 lbs. $2.00
Cracker C'k'd 100 lbs. $1.50

CLEVELAND POULTRY CO., Plattsburg, N. Y.

POULTRY ADVERTISING

BY FRANK B. WHITE.

Circular, catalogue and booklet advertising is occupying a conspicuous place in the auxiliary advertising proposition. Next to a personal visit is a good, warm, friendly letter; next to a letter is a good explanatory circular or catalogue. All auxiliary advertising, in my judgment, should be contructed in the best and most attractive way. I would make it so good that the recipient could not "waste-basket" it without a prick of conscience. I would fill it with information of such a desirable character that it would be a valuable document to preserve for future reference. Simply an explanation of what you have to sell is not enough. A treatise on your particular breeds of stock; information that one wants to remember; statistics, or the result of experiments will add to its real worth and will also make a great difference in the drawing power of the booklet.

To do business with a man we must get him interested. We must become interested in him. We must show him that we can be of benefit to him. We must show him too that it is a mutual proposition. Advertising business at all times should be conducted with this end in view. Things were looked at differently in earlier days. Advertisers—many of them—considered the patronage they gave the press in the light of a bounty or a contribution for its maintenance. Today the advertiser buys space and advertising ability because he recognizes it an important factor in the conduct of his business. I am engaged in the advertising business because I believe there is a demand for my talent and my energies. My work is just as important as that of the lawyer, the doctor, or any other professional man. It is just as dignified as that of the merchant prince, president of the railroad or bank president. I have my place with the advertiser with equal appreciation to any business man.

I use the first person singular for illustration. This reference applies with equal force to the publisher of a good paper or a reputable advertiser. My point is that every man should feel the importance of his own business—not that he should assert that importance, but that his statments in his advertisements, in his letter writing, in his auxiliary advertising should always be with dignity; with frankness, and sagacity. Be positive. Don't presume. Do not allow any statement to appear in your advertising matter that is not fully substantiated by actual fact. The public will soon find out you and your statements if reliable will be depended upon. It is a good business policy. It is the honest method and I am sure it is the most satisfying.

"Brevity is the soul of wit," they say. It is also a good thing to practice in business. Time is money and we must remember that the man that is considering your proposition may be in just as big a hurry as you are. Do not allow to appear in your literature any long, drawn-out expositions of worn out subjects. Do not try to parade your superior knowledge to the tiring of your prospective customer. There is such a thing, though, as being so brief as to not give a clear and comprehensive explanation of the essential fact that your applicant desires to know. That is where the expert catalogue writer comes in for important consideration. He knows what to say and what not to say, just as the lawyer knows what is necessary to go into the contract or agreement and what is best to be left out to avoid entanglements.

A FEW SPECIMENS.

I tried to show in the December issue of the American Poultry Journal the importance of carefully following up inquiries. I desire to now illustrate the force and advantage of illustrated argument.

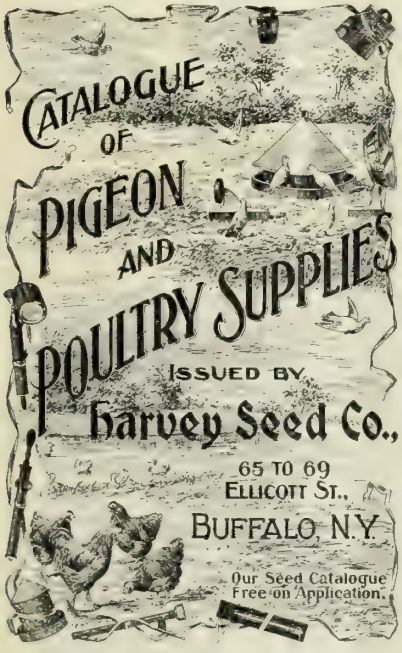
A catalogue cover on the order of the J. W. Miller Company, Freeport,

Illinois, is worth many times its cost. To the fancier, or the one who aspires to be a fancier, the cover itself is pleasing and inviting. Such a catalogue would not be destroyed. It would be kept even by the disinterested person. The contents, however, of the cata-

logue should be in keeping with the high artistic effect of the cover. Argument there should be illustrated. It is a good thing to run in frequently little cuts or cartoons, livening up the matter and making the word picture seem real in picture.

A very neat little suggestion for catalogue design is that of the George H. Lee Co., Omaha, Neb. Handling a variety of articles as they do, and illustrating their various packages makes a suggestive design and on one interested it is sure to have more than a passing effect. The Lee Company's catalogue, by the way, is profusely illustrated throughout and it is very clearly Mr. Lee's intention to not put all of the handsome on the outside.

What I have said in reference to Mr. Lee's catalogue applies with equal force to that of the Harvey Seed Company, Buffalo, N. Y., who are exten-



sive dealers in poultry supplies. The argument presented is good and is not so profuse as to be wearisome. They, too, believe in a liberal use of picture illustration throughout the contents of the catalogue, and the effect on the whole is very satisfactory to one desiring information along the various poultry supply lines.

Space will not permit me to illustrate others, but these suggestions will serve to emphasize my point. Mr.

MANN'S GREEN BONE CUTTERS

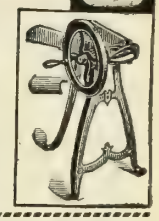
Make a complete success of the poultry industry. They take cheap green bones and convert them into the most valuable poultry food. **Green Cut Bone doubles the eggs produced.** It is rich in all the elements contained in eggs. **Our Cutters run easy, cut fast and fine** and last for years.

Mann's Clover Cutter is a strong durable machine that cuts rapidly and easily all kinds of hay, clover, etc., dry or green. The single knife is **easy to keep in order.** No danger to hands or fingers in feeding. One turn of the wheel makes 12 cuts—**four times as fast as others.** Made with or without stand. Price, $8. and $10.

Mann's Swinging Feed Tray saves its price in feed in a short time. Hens can't scratch feed out of it or dirt into it and can not wallow in it or roost upon it. **ALL IRON—INDESTRUCTIBLE, LASTS ALWAYS.**

Mann's Granite Crystal Grit is the sharpest and hardest grit known, and is absolutely clean, free from all dust, sand etc. **It is better and cheaper than oyster shell.** Cuts and grinds the hardest foods, inducing perfect digestion. Cash or installments. Illustrated catalogue free.

MANN'S GRANITE CRYSTAL GRIT



F. W. MANN CO., Box 56 MILFORD, MASS.

D. J. Lambert of Apponaug, R. I., is a convert to the use of good auxiliary advertising. His Pocket Book Pointers is a very attractive and instructive booklet. The poultry catalogues of John Bauscher, Jr., J. R. Brabazon, Jr. & Co., Johnson & Stokes, poultry supply dealers, Philadelphia, The Reliable Incubator Co., the Des Moines Incubator Co., the Prairie State Incubator Co., the Cyphers Incubator Co., the Illinois Incubator Co., and the Von Culin Incubator Co., all publish catalogues that are worthy of special mention in line with my argument.

I find that I have consumed all my space and have not yet touched upon what I regard a good advertiser and a good advertising solicitor. You will permit me to take up this question in the March number.

Barred Plymouth Rock Cock "Marcus." Bred and Owned by O. L. King, Walnut Grove, Ill.

O. L. KING'S "MARKUS."

The Barred Plymouth Rock cock Markus is owned by O. L. King, Walnut Grove, Ill. The half-tone picture does not represent the bird at its best, owing to faulty pose. He has been a prize-winner for three years. Last December B. N. Pierce scored him 91½, enabling him to win over a well known breeder's yearling which was sold for $25. During three years past Markus has stood the test of six exhibitions without being beaten, under Shellabarger and Pierce. Mr. King submits for examination a lot of score cards which prove the excellence of his stock. His pullets will run well up when in weight. The uniformly high score proves that his breeding stock is well preserved.

———o———

C. J. Lancaster won at Chicago, on R-c. B. Leghorns, 1st cock; 1st, 2d cockerel; 1st, 3d, 4th, 5th hen; 1st, 3d pullet.

BUFF COCHINS AT CHICAGO SHOW.

Editor American Poultry Journal:

The Buff Cochin class at the great Chicago show attracted its share of attention. Buff Cochins always demand attention when of superior quality, and when shown in fine condition. There were not so many good ones shown this year as last, aside from cockerels, but a few grand specimens were on exhibition. Mr. Pierce placed the awards, and, in general, it was the opinion of the Cochin men that his work was well done. Only three cocks were shown and none were really in condition to show. The first cock was a fine bird in shape and feather; color even, but a little too strong; combing full. He was shown in very poor condition. The second was the best conditioned bird of the cocks; fine in feather; of the correct shade in color, of good Cochin type. Aside from a very poor comb, he was an excellent bird. The third cock was a fair bird, but showed strongly the marks of age.

Some very fine cockerels were shown. The winners were full of quality, though all of them were a little too strong in color for the present Standard, in the opinion of the writer. The first cockerel was a good bird, and well deserved the high score given him. His comb was very fine; grand in shape of neck, back and fluff; tail somewhat undeveloped; a grand pair of legs, with rear hocks as fine as the writer ever saw. Aside from a breast that was only fair, he was about all that could be desired in shape. Color nice and even, but a trifle dark. The second cockerel was little if any inferior to the first; about the same in shape and color; little long in legs, though they were splendidly furnished. He was a bird of great vigor and substance, and should be a very valuable breeder. Two cockerels were placed third, or V. H. C. Both were nice birds, though of quite different type. One of these was superior to any of the winners in leg and toe feathering, being ideal in this respect. He was also fine in other features; color a little high and somewhat uneven; tail too high and long. The other V. H. C. bird was good in all around qualities. The rest of the cockerels call for no special mention. Some of them would be winners almost anywhere. A brother of the first cockerel resembled him very closely, and will probably be as good at maturity. Another cockerel that was cut heavily for weight was superior to any of the others in color and fluff.

Only a few hens were shown, and some of them were only fair. Several were well past their prime. One hardly knows what to say of the first hen. It is quite likely that no finer bird was ever shown in America. She attracted more attention than any other bird in the show. Such a bird as this is a sufficient answer to those who do not approve of full feathered Cochins of modern type. She was ideal in shape and feather. We understand that her owner has refused $100 for her, and he is wise in his determination not to part with her. The second hen was a nice bird in shape and color. The writer thought she should have lost to the third hen, on account of insufficient feathering. The third hen was a wonderful bird in shape and feathering, and would have attracted great attention if she had not been so distinctly overshadowed by the first hen. The fourth and fifth hens were good specimens; the fifth hen being magnificent in shape, but somewhat mottled in color.

A nice even lot of pullets were on exhibition, and it must have been a delicate task to pick the winners. Two birds tied for first place, weight deciding the winner. It was, we think, the general opinion of the Cochin men that these two birds should have exchanged places. The top winner had fine head points, and fine soft, even color of about the correct shade. Her shape on the whole was good, though she failed in cushion and middle toe feathering. The second pullet (tie 1st) was a beautiful specimen, being, we believe, a daughter of the first hen. She was a nice bird all over, having no conspicuous faults. Her comb was only fair; color a little strong, but bright and even. She was noticeably fine in cushion and feathering. The other winning pullets and others unplaced were very little inferior to these just mentioned.

The writer was much disappointed that several of last year's exhibitors were not present with their birds. He expected to see some new ones also, who failed to materialize. Perhaps, like the present writer, they found it impossible to be absent from home for a full week at this time.

Rev. E. W. Rankin.

GENERAL CLASSES AT CHICAGO.

Editor American Poultry Journal:

The classes were well filled in most cases. The exhibits were a splendid object lesson. We see that Standard bred fowls are being bettered every year, not by the men who look upon the business is one of financial prifit, but by the true fancier.

The Barred Plymouth Rocks were, as usual, the leading class. The quality was of a high order, and a number of representative breeders fought out the good battle. First hen, grand in shape and color; clear yellow beak and legs; very good comb. Second hen, best in color in entire class; a little weak in shape. Third hen, nearly equal to second in color, but too heavy. Fourth and fifth, good color but only fair in shape. First pullet, grand in color and exceptionally fine in shape, back, comb and legs. Second pullet: as good as first in shape; not quite so good in color; tied first, but lost in weight. Third pullet; a nice dark, narrow barred pullet; almost a perfect comb; lost in shape. Fourth and fifth pullets, good all over. Seventeen pullets equaled their scores but lost in weight. Winning cocks and cockerels got places by narrow margins, chiefly on shape. "Shape makes the bird," largely, is beginning to be appreciated.

The White Rocks were a grand class. Here were a lot of good birds and a whole lot of good fellows showing them. The quality was very fine. The winners were successful, chiefly on color. The first cockerel was a marvel in white, and the winning fowls all down the line were extra good. The hens and cocks which won are of the much desired "stay white" kind.

The Buff Rocks were a truly magnificent class. The gem of all the class, to my way of thinking, was the first hen—grand in color. The first cock suffered greatly on comb, but was so good in color and shape that he won.

The Light Brahmas were a class in which grand quality was shown. Richards' first hen was a marvel. Away beyond all else in color and shape—the most typical Brahma in the class. First Cockerel, grand all over; especially fine in hackle, it being clear and distinct; just a little off on back color, however; only fairly well feathered on feet. Second cockerel, much the same

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character of bird as first; not quite so good in shape or comb; wings extra good in color. Third cockerel, large bird; very good in shape; little too much Cochin in length of legs; good rich, deep color. Fourth and fifth, good representative birds.

First cock, a high class, clean bird all over; suffered in wing and tail color. Second cock, fine fellow, better than first in color, but lost on small cuts in various sections. Third cock, thought him grand in shape; a typical Brahma, five years old and been successfully campaigned for years; faded in color and lost in this defect. Fourth cock lost in weight; a grand bird. Fifth cock, 13½ lbs.; lost on shape and color.

First hen, an ideal fowl, almost; grand in all points; such a bird as all breeders are looking for but seldom see. Second hen, a fine bird, but lost all round to first. Third hen, fine in shape; lost to second on wing and neck color. Fourth and fifth hens lost on comb and surface color.

First pullet, fine in shape; she thus won. Second pullet, best of whole lot in color, but not good in shape. Third pullet lost on shape; could not overcome the deep cut. Fourth pullet had very bad back; fair in color and shape.

The Dark Brahmas showed some grand good birds, which could have been greatly improved by proper handling.

Partridge Cochins.—Here was one of the display features, and the quality was far out of and beyond the ordinary.

First Cock: A large, dark colored bird; legs and toes not up to Standard as applied by best judges. Second cock: Fully as good in color as first; heavily feathered on legs and toes; defeated by cut of ¼ on shape. This bird has won at Kansas City and other leading shows. Third cock: Very good color; suffered for lack of richness of color more than anything else. Fourth cock: very dark, distinctly marked bird; its weakest points were comb and breast shape. Hen first: Beautiful in shape; profusely feathered; one pound over weight; pronounced the equal of the best Cochin hen ever shown in this country. Judge McGrew asked for a price on her, wishing to show her at New York. Second hen: Winner at Detroit; on the dark shade order; profusely feathered; too bad she was under weight. Third hen: Half sister to first prize hen; almost as good in shape; very rich mahogany color. Fourth hen: has won at several big shows; fine shape; not so good in color as should be.

First Cockerel: A rich colored 9-lb. bird; fairly well feathered on shanks; very heavy on feet and toe feathering; could go anywhere and win a place. Second cockerel: Grand in color and a Cochin of great worth; won on color, chiefly. Third cockerel: Very fine shape; under size; heavily feathered on legs and toes; a little too light in hackle; wingbow dingy; all in all a good bird.

First Pullet: A very early hatched bird, as near ideal shape as was ever shown; beautiful penciled all over; fluffy plumage. Second pullet: A bird of the beautiful dark shade; heavily feathered specimen; a little pinched in cushion near tail; a Detroit winner. Nos. 52 and 54 tied for third pullet and Judge Pierce refused to break the tie. No. 52 was best P. Cochin in classes, as regards shape. Pullet 54 won 1st at West Liberty last month under Hewes. A $50 special purse was offered and the best P. Cochins in the West competed. This is a bird of remarkable fine color. Fourth pullet was much of same type as third. Fifth pullet showed moss in back. Was under weight. Not all round good, as compared with other winners.

Buff Cochins.—A man could behold and hold an object lesson in the Buff Cochin alley any time. The Buff Cochin is a great show bird. But that is so well known that the statement is not even useful. It was as stated, an object lesson, and showed what the fancy should be.

First Cock: Won as cockerel last year. Too long in shanks; very poorly shown. Second Cock: Lost to first in color; pinched in tail; narrow ,in back; nice in feet feather; poor comb. Third cock: Very poorly shown; frosted comb; loses on both shape and color. First Cockerel: Very fine in surface and undercolor; extra good in tail and comb; only fault of serious nature is breast—too flat. Second cockerel: Lost to first in size and type; too short in back; tail not developed. Third cockerel: Won at Pittsburg; every inch a Buff Cochin.

First Hen: Was a dream; beyond doubt the grandest shaped B. Cochin shown for years; pride of all breeders present; grand even color. Second hen: Won for reasons not known. Third hen: Beyond question should have been second; short in shank; even in color; cut 2 on shape of back. First pullet: A beauty in color; extra

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good comb; a little low in back but a bird, taken all in all, of great value; but few of her equal have been produced. Second pullet: Not equal of first in common points; fine in shape and surface color, but bad in undercolor. Third pullet: Better in leading points than second, but lost in surface color. The cockerel shown by Morgaridge was a wonder as to color and was the feature in this respect of the B. Cochin exhibit. He was too light in weight to be in the winning.

The Wyandottes.—It's hard to keep down a fowl of merit. The Wyandotte is built on practical lines and is again coming to the front. Of special attraction was the Silver Wyandotte exhibit. A strain of birds of grand markings and size and a factor in all leading shows. In Whites and Golden were birds of superior merit.

In Black Langshans Mrs. A. C. Voss and Ben Myers were the leaders, with one or two others cutting in. Mrs. Voss rather got the best of the deal.

In Indian Games were shown some marvels of beauty.

The Black Minorca class was full of merit. Here was a protest and I guess it is well to leave the class alone. Men do not take kindly to comment so soon after "the fray" and the fellow who takes a hand is liable to be misunderstood. I was particularly pleased with the long, slanting back, oval, full and prominent breasts and velvet color of the first cock and cockerel.

The Leghorn classes were well filled, and the awards were pretty thoroughly scattered.

Other classes were splendidly represented. I have not tried to cover all—only to give a review of the leading classes.

Thos. F. Rigg.

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LIST OF AWARDS AT CHICAGO SHOW.

Light Brahmas—Mrs. S. M. Robinson, Washburn, Ill., 2d cockerel 94½; 4th pullet 92½; 2d pen 188 1-16. Charles A. Snyder, Wayne Town, Ind., 3d cock 92½; 3d and 4th cockerel, 94, 93¾; 5th, 93½; 5th pullet, 92½; 3d pen 187 9-16. M. E. Woods, Peckersburg, Ind., 2d cock 94½; 1st cockerel 94½; 2d hen 94½; 1st pen 188¾. C. C. Richards, Cedar Rapids, Iowa, 1st hen 95½; 2d and 3d pullet, 95½. 95¼; 4th pen 187½. E. C. Hayward, Cropsey, Ill., 4th cock 91½; 3d, 4th and 5th hen, 94½, 94, 94; 1st and 4th pullet, 95½, 95; 5th pen, 187 7-16. Alfred Doyle, Morgan Park, Ill., 1st and 5th cock, 93, 89¾.

Dark Brahmas—James A. Tucker, Concord, Mich., 3d cock 87¾; 1st hen 92. J. I. Delancy, Elgin, Ill., 2d cock 90; 3d hen 89¼; 3d cockerel 90; 4th and 5th pullet, 90, 89¾; 2d pen, 179 7-16. McKee & Jones, Des Moines, Iowa, 1st cock, 91¼; 2d hen 90½; 1st, 2d and 4th cockerel, 92¾, 91, 89¾; 1st, 2d and 3d pullet, 91½, 91¼, 90; 1st pen 187½.

Black Langshans—Charles A. Snyder, Waynetown, Ind., 1st pullet 95; 4th 94½; 2d pen 187¼. Ben S. Myers, Crawfordsville, Ind., 2d and 3d hen, 94, 93½; 2d and 5th cockerel, 93½, 93½; 2d pullet 95; 2d pen, 187⅝. W. G. Goodwin, Friend, Neb., 1st hen 94½, 3d cockerel 93½; 5th pen 186½. E. M. Simon, Youngstown, O., 3d pullet 94½. Mrs. A. C. Voss, Jewell, Ia., 1st cock, 94½; 1st cockerel 94; 5th pullet 94; 1st pen 188⅜. J. I. Delancy, Elgin, Ill., 3d cock, 89½. Oscar Herbster, Ottawa, Ill., 2d cock 91. Perkin Bros., Ames, Iowa, 4th hen 93; 5th pullet 93; 4th cockerel 93½; 4th pen 186½.

White Langhams—Oscar C. Herbster, Ottawa, Ill., 1st cock 92½; 1st cockerel 93½; 1st pullet 94½.

White Cochins—James A. Tucker, Concord, Mich., 1st cockerel 94. W. J. Blackman, Paris, Ill., 2d cockerel 91; 1st and 2d pullet 94, 92.

Black Cochins—W. J. Blackman, 1st cock 84½; 1st hen 91½.

Black Minorcas—Bicknell & Whiting, Darien, N. Y., 2d and 3d cock; 1st, 4th and 5th hen; 4th cockerel; 5th pullet; 1st pen. James A. Lauder, Carterville, Ill., 2d hen. Robert Merret, Akron, Ohio, 1st cock; 3d hen; 1st, 3d and 5th cockerel; 2d and 3d pullet. C. G. Magoon, Washington Heights, Ill., 4th pullet. Jacob Baumann, Detroit, Mich., 2d cockerel, 1st pullet.

Golden Sebright Bantams—Samuel D. McPhail, West Pullman, Ill., 4th pullet 93. Ira C. Kellar, Prospect, Ohio, 1st and 2d cock, 93, 92. 1st and 2d hen, 94, 93; 1st and 2d cockerel, 92, 91½; 1st and 3d pullet, 93½, 93; 1st pen 187⅜. J. I. Delancy, 4th hen 90½. Hugh Beelman, Chicago, 3d cockerel 91½; 2d pullet 93. McKee & Jones, Des Moines, Iowa, 3d cock 91½; 3d hen 91; 4th cockerel 91; 5th pullet 91.

S.-c. W. Leghorns—William Tobin, Indianapolis, Ind., 4th cock 93; 1st hen 95½; 2d (tie) 95; 2d and 3d cockerel, 94½, 94. 1st pullet 96; 3d (tie) 95; 5th 94½; 1st pen 189⅞. Gilbert & Hamlin, Pleasant Lake, Ind., 1st cock 95; 4th hen 94½; 1st and 3d cockerel, 95, 94; 2d pullet 95; 2d pen 189½. Crescent Farm, Kent, Ohio, 2d and 3d cock, 93½, 93½; 5th (tie) 92½; 2d hen (tie) 95; 4th cockerel 94; 4th and 5th (tie) pullet, 94½, 94½; 3d pen 188⅝. W. H. Gibson, Jackson, Mich., 1st cockerel (tie) 95.

R.-c. W. Leghorn—John C. Coolidge, Galesburg, Ill., 1st cock 93½; 2nd hen 92½. Geo. C. Rose, Shawneetown, Ill., 1st and 3d hen, 92½, 92; 1st cockerel, 93½; 1st and 2nd pullet, 95, 92½.

S.-c. B. Leghorns—W. H. Westlake, Fort Wayne, Ind., 4th hen 91½; 1st cockerel, 95; 1st pen. E. K. Meredith, Batavia, Ill., 5th hen, 91. Edward Asuenber, 1520 Ogden Ave, Chicago, 3d cock, 92; 4th and 5th cockerel 93, 93. Gilbert & Ham-

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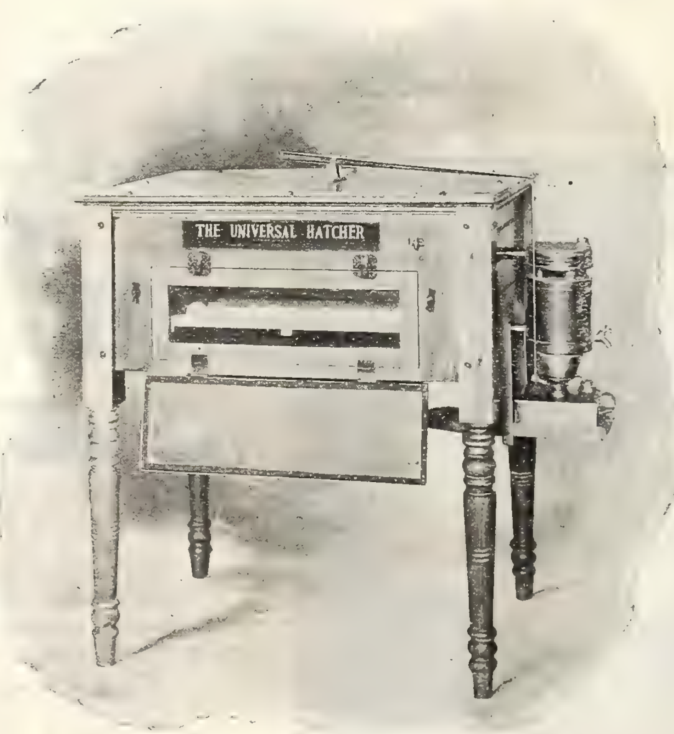

lin, Pleasant Lake, Ind., 1st and 4th pullet, 95, 93½. J. A. Bailey, Denver, Colo., 4th hen. C. A. Damon, 2470 Monroe St., Chicago, 1st and 2nd cock, 94, 93½; 2nd and 3rd hen, 92½, 91½; 2nd and 3rd cockerel, 94½, 93½; 2d, 3d and 5th (tie) pullet, 94, 94, 93½. C. M. Davidson, Chicago Lawn, Ill., 1st hen, 93.

R.-c. B. Leghorns—Geo. Stahmer, Oak Park, Ill., 2d hen, 93½; 3d cockerel 90½; 2d and 4th pullet, 92¾, 91½. C. J. Lancaster, Maywood, Ill., 1st cock, 90; 1st, 2d, 3d and 5th hen, 94½, 94, 92½, 90¼; 1st and 2nd cockerel, 93, 92¼; 1st and 3d pullet, 93½, 94¼.

S.-c. Buff Leghorns—Clifford W. Beeman, Binghampton, N. Y., 4th cock, 87; 5th hen, 92½. W. H. Bushnell, David City, Neb., 1st cock, 92; 2d hen, 93½; 5th pen, 185⅝. L. B. Harris, Palmyra, Neb., 3d cock, 91½; 4th hen, 93; 4th pullet, 94½. Jas. A. Tucker, Concord, Mich., 2nd cockerel, 93; 5th pullet, 94½. Frank H. Hawley, Leroy, O., 3d cockerel, 92½; 4th pen, 185⅝. Ralph H. Matthew, Sabina, O.; 3rd (tie) hen, 93; 5th cockerel, 91½; 1st pullet, 95; 3d 94½; 2d pen, 186¼. E. C. Marquart, Burlington, Ia., 2nd cock, 91; 1st and 3rd (tie) hen, 94, 93; 1st and 4th cockerel, 93½, 92½; 5th (tie) pullet, 94; 1st pen, 186⅞. B. F. Parsons, Edwardsburg, Mich., 2nd (tie) pullet, 95; 5th, 94½; 3d pen.

Houdans—Frank W. McKenzie, Concord, Mich., 1st, 2d and 4th cock, 94, 92½, 92½; 1st, 3d, 4th and 5th hen, 95, 94, 93½, 93½; 2d and 3d cockerel, 93½, 93; 1st, 2d, 3d, 4th and 5th pullet, 94½, 94½, 93; 1st pen. Thomas F. Rigg, Iowa Falls, Ia., 3d cock, 92½; 2d (tie) hen, 94, 2d (tie) 94; 1st cockerel, 93½. Jas. A. Tucker, 5th cock, 92. J. I. Delancy, 4th cockerel, 87½.

Buff Wyandottes—B. H. Smith, Coldwater, Mich., 1st cock, 92½; 1st cockerel, 94. M. F. Norris, Lexington, Ky., 2d cock, 92; 2d hen, 92¼, 5th, 90¾, 2d cockerel, 92½; 2d, 4th and 5th pullet 92¼, 92, 91¾; 1st pen, 184 9-16. A. & E. Tarbox, Yorkville, Ill., 3d cock, 89½; 4th hen, 91¼; 1st pullet, 92¼; 3d pen, 181⅝. Mrs. J. N. Denison, Elgin, Ill., 1st and 3d hen, 92½, 92¼; 5th cockerel, 91¼; 3d pullet, 92; 2d pen, 183. Henry Hess, Winona, Minn., 3d cockerel, 92½; 4th, 92.

White Wyandottes—Lewis L. Bailey, Englewood, Ill., 2d cock, 95¼. Chas. F. Howe, Coldwater, Mich., 3d cock, 95. Chas. H. Danforth, Batavia, Ill., 3d cock, 93; 4th hen, 95; 4th pullet, 95; 3d, 95; 4th pen, 167¼. Chas. O. Arnold, Leland, Ill., 1st and 2d cock, 93¾, 92; 5th hen, 94¾; 3d cockerel, 93½; 5th, 93; 3d pen, 163¾. H. W. Clark, Lebanon, Mo., 5th cock, 90½; 1st hen, 96; 4th cockerel, 93. Geo. M. Rose, Shawneetown, Ill., 2d, cockerel, 93½; 2d and 5th pullet, 95¼, 95; 2d pen, 188⅜. Ira C. Kellar, Prospect, O., 4th cock, 91¾; 1st cockerel, 95; 1st pullet, 95½; 4th, 95; 1st pen, 189 13-16.

White Polish—J. I. Delancy, 1st cock, 92; 1st, 2d and 3d hen, 95½, 94½, 94½; 5th, 93½; 1st pen. C. Casselman, Chicago, Ill., 4th hen, 94.

White Holland Turkeys—B. H. Westlake, Sycamore, Ill., 1st pullet, 96.

Bronze Turkeys—B. F. Ulery, Farmers' Institute, Ind., 3d pullet, 95½. W. A. Moon, Otterbein, Ind., 3d cock, 95; 2d and 3d hen, 95, 95. B. F. Hilsop, Milford, Ill., 1st cock, 95½; 3d cockerel, 92; 5th pullet, 94½. S. H. Taylor, Sibley, Ill., 1st hen, 95½· 1st and 2d cockerel, 96, 95; 1st pullet, 96; 2d, 96. B. H. Westlake, 4th cockerel, 89. H. W. House, South Bend, Ind., 2d cock 95; 5th, 93½; 5th hen, 93½. J. I. Delancy, 5th cockerel, 85½. Mrs. Chas. Jones, Pawpaw, Ill., 4th hen, 94.

Rouen Ducks—John Winter, Mendota, Ill., 1st cock, 96½; 1st hen, 96½. Mrs. D. A. Stoner, Rensselaer, Ind., 1st cock, 89; 2d hen, 96.

Muscovy Ducks—J. W. Meyer, Lombard, Ill., 1st cock; 1st hen.

Black Chinese Geese—John M. Sontag, Grand Crossing, Ill., 1st cock; 1st hen.

Pekin Ducks—J. M. Sontag, 2d hen, 95½; 1st pullet, 96. H. W. House, South Bend, Ind., 1st drake, 96. F. B. Price, Waukegan, Ill., 2d young drake, 95; 2d old duck, 95½. Andrew Hope, Hammond, Ind., 1st old duck, 96. S. M. Williams, Monroeville, Ind., 4th drake, 92½; 5th, 92½; 3d duck, 92½.

Tulouse Geese — H. B. Price, Waukegan, Ill., 3d gander; 2d goose. B. F. Hilsop, Milford, Ind., 1st young gander; 1st young goose. J. I. Delancy, 3d old gander; 3d old goose. H. W. House, 2d old gander; 1st old goose.

White Plymouth Rocks—U. R. Fischel, Hope, Ind., 1st and 3d cockerel, 94, 93¼; 1st pen, 186¾. Grover & Grover, Concord, Mich., 1st cock 92¼; 1st, 2d and 3d hen, 94, 93½, 93½; 4th pen 186⅛. Nellie Hawkes, Friend, Neb., 4th cock 92. W. O. Southwick, Friend, Neb., 5th cockerel 93; 4th pul- 94½; 3d pen 186¼. R. M. Gard, Frankfort, Ind., 5th cock, 92; 4th and 5th hen, 93½, 93½; 5th pullet, 94½; 2d pen, 186¾. George E. Read, Lebanon, Mo., 2d cockerel, 93¼. Frank Heck, New Albany, Ind., 2d and 3d pullet, 95, 95. S. M. Williams, Monroeville, Ind., 2d cock, 92¼; 4th cockerel 93. William Fawcett, West Branch, Iowa, 5th pen 186.

Barred Plymouth Rocks—I. O. Tritt, Urbana, Ohio, 1st cock 92; 4th hen 92½; 4th cockerel 93. Robert Holloway, Alexis, Ill., 1st pullet 93; 5th pen 185⅛. H. Tibbitts, Neponset, Ill., 2d cock 91¾; 5th cockerel 93; 4th and 5th pullet, 92½, 92½; 2d pen 185¼. Frank H. Hawley, Leroy, O., 2d and 3d hen, 92¾, 92¾; 2d cockerel 93½; 4th pen 185⅛. F. W. Richardson, Antwerp, Ohio, 3rd and 5th cock, 91¾, 91¼; 1st hen, 93½; 1st cockerel 94½; 2d pullet 93; 1st and 3d pen, 187⅛, 185¼. C. A.

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Damon, 2470 Monroe street, Chicago, 4th cock 90½; 3rd cockerel 93¼. R. E. Haeger, Algonquin, Ill., 3d pullet 92¾.

Buff Plymouth Rocks—F. C. Shepherd, Toledo, Ohio, 1st cock 92; 1st hen 93; 5th cockerel 92½ 2d and 3d pullet, 93, 93; 1st pen 184⅞. Clifford W. Beeman, Binghampton, N. Y., 2d cock 91¾. Frank H. Hawley, Leroy, Ohio, 2d cockerel 93; 1st pullet 93½; 3rd pen 184⅜. F. E. Mow, Union Mills, Ind., 5th hen 91½; 1st cockerel, 93; 5th pen 183⅝. S. H. Foster, Gowanda, N. Y., 5th cock 90; 3d hen 92; 3d cockerel 92; 4th pen 184. W. C. Denny, Rochester, N. Y., 3d cock 91; 2d hen 93; 4th cockerel 92; 4th and 5th pullet, 92½, 92½; 2d pen 184⅝; 4th hen 91½.

Black Pit Games—J. C. Darrall, Woodstock, Ill., 1st cock, 1st and 2d hen.

Brown Pit Games—George C. Chittenden, Ark Ridge, Ill., 1st cock, 1st and 2d hen.

Partridge Cochins—C. H. Curtis, Park Ridge, Ill., 5th pen, 177½. Victor Dewein, Peoria, Ill., 3d and 5th cock, 93, 90½; 3d cockerel, 93½; 5th pullet, 93; 3d pen, 184⅝. Fred E. Baldwin, Ottumwa, Ia., 2d and 4th cock, 93½, 92; 1st, 2d, 3d, 4th, 5th hen, 95, 94, 94, 93½, 93; cockerel, 1st, 4th, 5th 94, 93, 92½; pullet, 1st, 3d (tie), 95, 94½. Geo. T. Hudson, Ford Hill, Ill., 1st cock, 93½.

Buff Cochins—James A. Tucker, Concord, Mich., 1st hen 95; 2d cockerel 93½; 2d pullet 94. William Webb, Joliet, Ill., 3d cock 91; 2d hen 94. Mrs. T. C. Mogaridge, Como, Ill., 4th hen 93; 4th cockerel (tie) 92½; 1st and 3rd pullet, 94, 93½; 1st pen 185⅞. Crescent Farm, Kent, Ohio, 3d and 4th (tie) cockerel, 93, 92½; 4th pullet 93½; 2d pen 185¼. T. A. Heffner, Farley, Iowa, 3rd and 5th hen, 93, 92; 1st cockerel 94.

Silver Laced Wyandottes—Bicknell & Whiting, Darien, N. Y., 5th cock 91½; 5th pullet 91¾. A. & E. Tarbox, Yorkville, Ill., 1st, 3d and 4th cock, 93, 92½, 92½; 1st and 4th hen, 92¼, 92; 1st and 4th cockerel, 93½, 92¼; 2d pullet 93; 2d pen 185 15-16. D. F. Palmer, Yorkville, Ill., 5th cockerel 92; 5th pullet 92½; 3d pen. Mrs. George M. Hanley, Hoopeston, Ill., 2d cock 92½ 3d hen 92; 2d and 3d cockerel, 93¼, 93; 1st and 4th pullet, 93¼, 92¾; 1st pen, 186. James A. Tucker, 3d pullet 93. Perkin Bros., Ames, Iowa, 2d hen 92.

Black Javas—Bicknell & Whiting, Darien, N. Y., 4th hen 92½; 1st cockerel 93½; 1st and 2d pullet 94½, 93½; 1st pen. Grover & Grover, 1st and 2d cock, 93¼, 91; 1st and 3d hen, 93½, 92½; 2d and 3d cockerel, 90½, 90½; 3d and 4th pullet, 92, 90.

Golden Wyandotte—C. W. Beeman, 4th cock 92¼; 4th hen 88¾. James A. Tucker, 5th cock 92. Ira C. Kellar, Prospect, Ohio, 1st, 2d and 3d cock, 94, 94, 92¾; 1st and 3d hen, 92½, 90½; 1st, 2d, 3d and 4th cockerel, 92½, 92¼, 92, 91½; 4th pullet, 94½; 4th 93¼; 1st and 2d pen, 187 3-16, 184¾.

Black Wyandottes—Henry Hess, 1st, 2d, 3d and 4th hen, 94, 93½, 93, 93; 1st cockrel; 1st pullet; 1st pen; E. A. Holsworth, Joliet, Ill., 5th hen.

Bluff Laced Wyandottes—Ira C. Kellar, 1st cock; 1st and 2d hen.

Blue Andalusians—Herbert Hodgson, Albion, Ill., 1st, 2d, 3d and 4th hen, 92½, 92 90½, 89; 2d and 4th cockerel, 91½, 89½. F. J. Schwergler, Tiffin, O., 1st cockerel, 94; 1st and 2d pullet, 93½, 92½.

Cornish Indian Games—S. M. Weiger, Lombard, Ill., 4th cockerel, 91. L. B. Richardson, Morgan Park, Ill., 1st cock, 93½; 1st and 2d hen, 93, 93, 1st cockerel, 94; 1st and 2d pullet, 91¼, 91. W. H. McCormick, Budd, Ill., 4th hen, 92½; 2d cockerel, 93; 3d pullet, 89¼. L. B. Richardson, 5th hen, 91¾.

Black Leghorns—Standard Leghorn Co., Colorado Springs, Colo., 2d cock, 93; 2d cockerel, 93; 2d, 3d, 4th and 5th pullet, 95, 95½, 94, 94. R. E. Haeger, 1st cock, 94½; 1st and 2d hen, 94½, 93; 1st and 3d cockerel, 94, 92½; 1st and 2d pullet, 96, 95; 1st pen.

White Minorcas—C. W. Jerome & Co., Fabius, N. Y., 1st and 2d cockerel 92½, 88½; 1st to 5th pullet, 94 to 92; 1st pen, 184½.

W. C. Black Polish—J. I. Delancy, 5th hen, 94; 2d cockerel, 92; 2d pen, 184. Mrs. Austin Stultz, Sunbury, O., 2d and 3d cock, 93, 92; 1st, 2d, 3d and 4th hen, 95½. 95½, 94½, 94; 1st cockerel, 92½; 1st and 2d pullet, 94, 93½; 1st pen, 187⅞.

Golden Polish—All to J. I. Delancy.

White Faced Black Spanish—All to G. W. Rhodes, Aurora, Ill.

Silver Spangled Hamburgs—A. Marsden, West Branch, Ia., 2d cockerel, 90; 1st and 2d pullet, 93¾, 93½. A. B. Porter, La Salle, Ill., 1st cock. Julius Franks,

Akron, O., 1st hen; 1st cockerel; 3d pullet, 93.

Silver Sebright Bantams — Dan McPhail, West Pullman, Ill., 3d cock, 89. Ira C. Kellar, 1st and 2d cock, 94, 90; 1st and 2d hen, 95, 95; 1st and 3d pullet, 94, 92; 1st pen. McKee & Jones, Des Moines, Ia., 4th cock, 87; 2d pullet, 94.

Golden Duck Wing Bantams—T. J. Lindsay, 1st cock 93. J. I. Delancy, 2d cock, 88; 1st and 2d hen, 88½, 88½.

White Game Bantams—All to J. I. Lindsay.

Rose Comb Black Bantams—All to L. B. Richardson, Morgan Park, Ill.

White Polish Bantams—Frank E. Evenden, Rogers Park, Ill., 1st cockerel, 90½; 1st and 2d pullet, 94½, 92½. J. I. Delancy, 1st hen, 93½.

White Indian Games—All to Geo. C. Rose, Shawneetown, Ill.

Buff Cochin Bantams—Paul Beelenberg, Chicago, Ill., 2d cock, 91. Phillip S. Barto, Maywood, Ill., 2d hen, 94. J. C. Jacks, Winona, Minn., 1st cock, 92; 1st and 2d hen, 92, 90½; 1st, 2d and 4th cockerel, 93½, 93, 92½; 1st, 2d, 3d and 4th pullet, 95½, 94½, 94½, 94. J. I. Delancy, 3d cockerel, 93; 5th pullet, 93½. Wm. Webb, Joliet, Ill., 3d hen, 92½. Geo. C. Rose, Shawneetown, Ill., 1st hen, 94.

Silver Duck Wing Games—J. F. Price, Oskaloosa, Ia., 1st cock, 94; 1st and 2d hen, 94, 92½; 1st cockerel, 94½; 1st and 2d pullet, 93½, 92½.

Black Breasted Red Games—A. E. Brown, Morgan Park, Ill., 2d and 3d pullet, 95, 94. John M. Howley, Springfield, Ill., 1st cockerel, 93½. J. C. Pratt, agent, La Grange, Ill., 1st and 4th cock, 94½, 90½; 2d and 4th hen, 95½, 94½; 2d and 4th cockerel 93, 92; 4th and 5th pullet, 94, 94. T. J. Price, 3d cock, 93½; 5th, 90½; 1st and 5th hen, 96, 94½; 5th cockerel, 91½; 1st pen. W. E. Werts, Lennox, O., 3d cockerel, 92; 1st pullet, 95. Milroy & Capp, Butler, Ind., 2d cock, 94; 3d hen, 95.

Black Breasted Red Game Bantams—A. E. Brown, 1st cock 95½; 1st and 2d hen, 95½, 94; 2d cockerel 95; 1st pullet 95½. Milroy & Capp, 4th and 5th hen, 93½, 93; 1st and 4th cockerel, 95½, 94; 2d and 5th pullet, 95, 93; 1st pen. T. J. Lindsay, 2d cock 94; 4th hen 93½; 3d and 4th cockerel, 95, 94; 3d and 4th pullet, 94½, 94. J. I. Delancy, 2d pen.

Red Pyle Game Bantams—A. E. Brown, 1st cock 96; 1st and 2d hen, 96, 95; 1st cockerel 95; 1st, 2d and 4th pullet, 95½, 95, 93½. Milroy & Capp, 3d cock 93; 4th hen 94; 2d and 3d cockerel, 93½, 92½; 5th pullet 93. George C. Rose, 2d cock 94½; 3d hen 94½; 3d pullet 93½.

Black Cochin Bantams—All to Bicknell & Whiting, Darien, N. Y.

White Cochin Bantams—William Chammings, Forest, Ill., 1st hen 95½; 1st cockerel 93½; 3d 92; 5th 89¾; 1st and 2d pullet, 94½, 94½. George G. Rose, 1st cock 93; 2d hen 93½. J. I. Delancy, 3d and 5th hen, 93½, 91¾; 4th cockerel 92; 3d pullet 92; 1st pen. Will J. Blackman, Paris, Ill., 4th hen 92½; 2d cockerel 92½.

Black Sumatras—All to Charles H. Harraden, Berwyn, Ill.

Golden Pheasants—All to Wallace Evans, Oak Park, Ill.

The Grand Association Cup, valued at $75, was awarded to J. I. Delancy of Elgin, Ill., for the largest display of land and water fowls.

An award for the most complete and instructive exhibition of Incubators, Brooders and Poultry Supplies was awarded to the Reliable Incubator and Brooder Company of Quincy, Ill.

—o—

MICHIGAN STATE EXHIBITION.

The seventh annual show by the Michigan State Poultry Association, held at Detroit, January 3 to 8, 1899, was a great success. S. Butterfield, H. A. Bridge and W. S. Russell were judges of poultry; Joseph Gavin, E. W. Page and L. W. Schimmel judges of pigeons. The officers were hustlers.

The next show will be held at Detroit, January 15 to 19, 1900. The officers are: Frank W. McKenzie, Concord, president; George S. Barnes, L. W. Schimmel and Chris Wagner, vice-presidents; John A. Grover, Concord, poultry secretary; W. A. Cobb, assistant; Jacob Baumann, treasurer; Charles L. Hogue, superintendent.

Following is the list of awards:

H. A. Bridge, Judge.

Silver Wyandottes—E. C. Hungerford & Son, Concord, 1st cock 91½; 1st and 2d hen, 91½, 90½; 1st and 3d cockerel, 93½, 91; 1st and 4th pullet, 94, 92; 1st breeding pen 185½. Kelley Bros., Ypsilanti, 3d hen 90; 2d cockerel 93; 2d pullet 92½. William Blum, Montpelier, Ohio, 3d pullet 92½.

Golden Wyandottes—Joseph Skinn, Lan-

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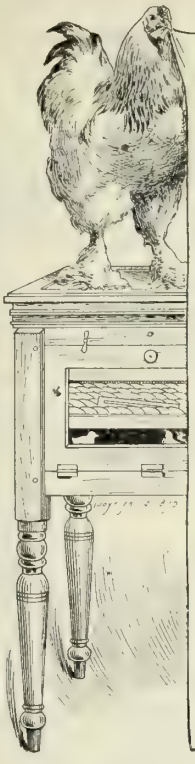

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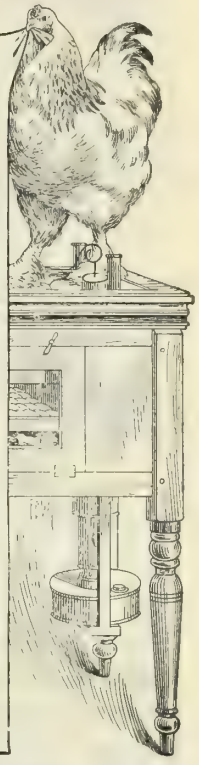

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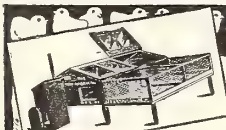

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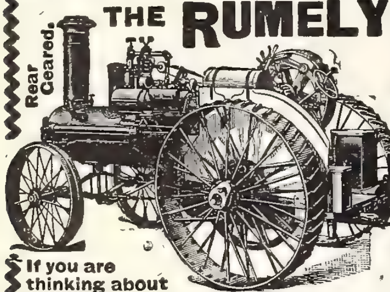

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sing, 1st hen 92; 2d and 3d cockerel, 94, 93; 2d pullet 92. Michigan Agricultural College, 1st cock 91½; 2d and 3d hen, 90, 89; 4th pullet 91½. E. H. Donnelly, Sandwich, Ont., 1st cockerel 94, 3d pullet 92. James A. Tucker, Concord, 4th cockerel 93, 1st pullet 92.

Buff Wyandottes—F. B. Ward, Pontiac, 1st, 2d and 4th cock, 93, 92, 90; 3d cockerel 90; 1st breeding pen 185⅛. B. H. Smith, Coldwater, 3d cock 90½; 1st cockerel 93½; 4th pullet 93. Watson Poultry Farm, Caro, 1st and 2d hen, 93, 93; 1st pullet 94½. Hungerford & Son, 3d and 4th hen, 92½, 92½; 2d and 4th cockerel, 91, 90; 3d pullet 93. Tucker, 2d pullet 94½.

White Wyandottes—James A. Tucker, Concord, 1st cock 95; 1st and 3d hen, 94½, 93½; 1st pullet 96; 1st breeding pen 189¾. Michigan Agricultural College, 2d cock 92. David O. Lusk, Detroit, 3d cock 91½; 2d and 3d cockerel, 92, 92; 3d pullet 94. Mrs. George Kennedy, Detroit, 3d cock 91; 2d hen 94½; 1st cockerel 92½; 4th pullet 93½; 2d breeding pen 185⅞. J. Baumann, Jr., Detroit, 4th hen 93. W. H. Sealey, Detroit, 4th cockerel 91. C. W. Southworth, Dowagiac, 3d breeding pen 178⅝. Fred Keith & Son, Lansing, 2d pullet 95½.

Black Langshans—Ed Donnelly, Sandwich, Ont., 1st cock 95; 1st and 2d hen, 94½, 93½; 1st cockerel 95½; 1st, 2d and 3d pullet, 96, 95, 94½; 1st breeding pen 190½. N. Schweinfurth, Jackson, 2d hen 94; 4th pullet 93½. Albert Maday, Detroit, 4th hen 93. W. D. John, Wayne, 2d cockerel 93½. M. A. C., 4th cockerel 92½.

Single Comb Brown Leghorns—Ed A. Yacht, North Detroit, 1st and 2d cock, 92½, 90½; 1st and 2d hen, 93½, 93½; 2d pen 185⅝. D. L. Quick, Ypsilanti, 3d and 4th hen, 93½, 93; 1st and 4th cockerel, 93½, 92½; 4th pullet 93; 1st B. pen 186½. C. K. Esler & Son, Lansing, 2d cockerel 93½; 2d pullet 93½. Hummel Bros., Toledo, Ohio, 3d cockerel 93; 2d pullet 93. Jacob H. Leyes, Detroit, 1st cockerel 93½.

Black Leghorns—Mulinix Bros., Toledo, O., 1st and 2d hen, 95½, 95½; 1st cockerel 92; 1st and 2d pullet, 96½, 94½. Eli Hailey, Detroit, 1st cockerel 95; 3d and 4th pullet, 94, 94.

Rose Comb Brown Leghorns—W. H. Sealy, Detroit, 1st hen 93; 1st and 2d cockerel, 92½, 91½; 1st pullet 91.

White Crested Black Polish—Will J. Kelley, Mt. Pleasant, 1st cock 96; 1st, 3d and 4th hen, 94½, 94, 94; 2d cock 95; 3d and 4th pullet 95½, 95½; 1st breeding pen 191. N. Schweinfurth, Jackson, 2d hen 94½; 1st and 3d cockerel, 95½, 94; 2d pullet 96. W. H. Hill, Detroit, 1st pullet 96.

Golden Bearded Polish—W. H. Hill, Detroit, 1st cock 91½; 1st hen 92; 1st cockerel 91½; 1st pullet 92½.

Black Cochins—James A. Tucker, Concord, 1st cock 91; 1st hen 94.

Dark Brahmas—Michigan Agricultural College, 1st cock 92½; 1st, 2d, 3d and 4th hen, 92½, 92, 92, 91; 1st cockerel 90; 1st and 2d pullet, 92½, 91.

Golden Spangled Hamburgs—Hill, Detroit, 1st cock 91½; 1st hen 91½.

Buff Laced Polish—Will J. Kelley, Mt. Pleasant, 1st cock 92; 1st, 2d, 3d and 4th hen, 95, 94½, 94, 93½; 1st, 2d and 3d pullet, 94, 94, 94; 1st breeding pen 186⅜.

Black Javas—Grover & Grover, Concord, 1st cock 93; 1st and 2d hen, 95, 93; 1st cockerel 90; 1st and 2d pullet, 94, 93½; 1st breeding pen 187.

Silver Spangled Hamburgs — Merritt Waldo Concord, 1st, 2d cock, 92½, 90½; 1st, 2d and 3d pullet, 93½, 93, 93; 1st, 2d and 3d cockerel, 92, 91½, 91½; 1st breeding pen 185. E. R. Bradley, Hillsdale, 1st hen 93; 4th cockerel 89½; 4th pullet 92½.

Black Minorcas—Jacob Baumann, Detroit, 1st and 2d cock, 93½, 93; 1st and 3d hen, 94, 93; 1st cockerel, 94½; 1st, 2d and 3d pullet, 95½, 95, 94½; 1st and 2d breeding pen, 189⅛, 186¾. Ed Pasha, Detroit, 3d cock 91½; 2d hen 94; 4th cockerel 93½. J. B. Ford & Son, Jackson, 3d hen 92; 3d breeding pen 185⅞. M. B. Dewey, Concord, 2d cockerel 94. Kelley Bros., Ypsilanti, 4th pullet 94.

Rose Comb Black Minorcas — Jacob Baumann, Detroit, 1st cock, 1st and 2d hen, 1st and 2d pullet, 1st breeding pen.

Black Hamburgs—Frank Shattock, Detroit, 1st hen 95; 1st cockerel 95; 1st, 2d and 3d pullet 96, 96, 95; 1st breeding pen 190½.

Blue Andalusians—E. H. Parker, Detroit, 1st and 2d cock, 91½, 91½; 1st, 2d and 3d pullet, 91, 90½, 89.

Silver Gray Dorkings—Michigan Agricultural College, 1st cock 90½; 1st and 2d hen, 92½, 91½; 1st and 2d cockerel, 90, 89; 1st, 2d and 3d pullet, 94, 93, 93.

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White Plymouth Rocks.—Grover & Grover, Concord 1st cock 91½; 3rd and 4th hen 93½, 92; 2nd breeding pen 185. Paul Lafromboise, Mt. Pleasant, 2nd cock 91; 2nd hen 93½; 1st pullet 93½; 1st breeding pen 185½. Wm. Wassmus, Detroit, 3rd cock 86. Michigan Agricultural College, 1st hen 93½; 2nd pullet 93½; 3rd breeding pen 180⅞. W. J. Farrar, Toledo, Ohio, 1st, 2nd and 3rd cockerel 94, 93, 93. Walter Robison, Detroit, 3rd pullet 93. A. E. Fuller, Northville, 4th pullet 93.

Light Brahmas—Tucker, 1st cock 93½. F. W. Patton, Harrow, Ont., 2nd, 3rd and 4th cock, 93½, 93, 92½; 1st, 3rd and 4th hen, 94½, 93, 93; 1st, 2nd and 3rd cockerel, 94½, 94, 92½; 1st, 2nd and 3rd pullet, 95, 95, 94½; 1st breeding pen 188⅞. Donnelly, 2nd hen 94; 4th pullet 94½; 2nd breeding pen 186¼. A. A. Mac Diamid, Detroit, 4th cockerel 92½.

Rose Comb Buff Leghorns—George Dykeman, Battle Creek, 1st hen and pullet.

Single Comb Buff Leghorns—Geo. S. Barnes, Battle Creek, 1st and 2nd cock 90½, 90½; 1st and 2nd hen, 93, 92; 1st, 2nd, 3rd and 4th cockerel, 93½, 93, 92, 92; 1st,, 2nd and 3rd pullet, 94½, 94, 93; 1st breeding pen 187⅛. Geo. F. Curtis, Fenton, 3rd cock 88½; 3rd and 4th hen, 91½, 91; 4th pullet 92½; 2nd breeding pen 182⅝. C. A. Stimpson, Eaton Rapids, 3rd breeding pen 181¾.

Indian Games—Michigan Agricultural College, 1st and 2nd cock, 93, 92½; 1st hen 92; 1st and 2nd cockerel, 94½, 93½; 1st and 3rd pullet, 92½, 89½. W. C. Saigon, Kingstown, 3rd cock 92½; 2nd hen 91¼; 3rd cockerel 92½. Donnelly, 4th cock 92; 3rd hen 90½. A. F. Coombes, Detroit, 2nd pullet 91½.

Pekin Ducks—Michigan Agricultural College, Lansing, 1st cock, 3rd cockerel; 2nd breeding pen. Watson Poultry Farm, Caro, 1st cockerel; 1st, 3rd and 4th pullet; 1st breeding pen. Ed. Goring, North Detroit, 2nd cockerel; 2nd pullet.

Pheasants—English; Albert Maday, Detroit, 1st cock and hen. Lady Amethest, Taylor & Son, Detroit, 1st cock. Silver, James Anderson, Detroit, 1st and 2nd cock.

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Buff Plymouth Rocks—S. Z. Haroun, Detroit, 1st and 3rd cock, 90½, 88½; 1st, 3rd and 4th hen, 94½; 90¾, 90½; 1st breeding pen 192. E. G. Irwin, Detroit, 2nd cock 90¼; 1st and 4th cockerel 91¼, 90; 3rd breeding pen 181 1-16. W. T. P. Burton, Detroit, 4th cock 88½; 2nd hen 92; 3rd cockerel 90; 2nd breeding pen 181⅜. Wm. Nevison, Northville, 2nd cockerel 90¾; 3rd pullet 93¼. Donnelly, 1st pullet 94. Grover & Grover, 2nd pullet 93½. B. D. Northrup & Son, Lansing, 3rd pullet 93¼.

Partridge Cochins — John Stellwagen, Wayne, 1st, 2nd, 3rd and 4th cock, 93¾, 91½, 90½, 90¼; 1st, 2nd and 4th hen, 93½, 92¾, 92¼; 1st, 2nd, 3rd and 4th cockerel, 94, 93, 93, 91½; 1st, 2nd, 3rd and 4th pullet 95, 94, 93¾, 93¾; 1st and 2nd breeding pen 189 1-16, 187 1-16. Michigan Agricultural College, 3rd hen 92¼. S. A. Noftzger, North Manchester, Ind., 3rd breeding pen 175.

Black Cochin Bantams—Ed Donnelly, Sandwich, Ont., 1st and 2nd cock, 92¼, 91½; 2nd and 3rd hen, 92¾, 92¼; 1st cockerel 92½; 1st pullet 93¼. J. J. Houghton, Detroit, 3rd cock 90¾; 1st hen 93¾. Taylor & Son, 4th hen, 89¼.

Golden Duckwing Bantams—Taylor & Son, 3rd cock 86; 3rd hen 86¾.

Silver Duckwing Game Bantams—Taylor & Son, Detroit, 3rd cockerel 86; 2nd and 3rd pullet, 88¼, 87.

Buff Cochins—Tucker, 1st cock 90¾; 2nd and 4th hen, 92¼, 91½. Donnelly, 2nd cock 90¼; 1st and 3rd hen, 92¾, 92; 1st and 3rd cockerel, 93¾, 89¾; 1st and 2nd pullet, 94, 92½; 1st breeding pen 186 1-16 Michigan Agricultural College; 3rd cock 84. J. B. Horr, Northville, 2nd cockerel 92½; 3rd and 4th pullet, 92, 91¾. A. F. Coombes, Detroit, 4th cockerel 89¼.

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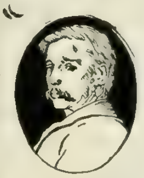
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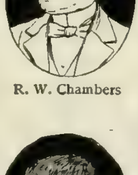
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Special articles will appear on these two countries by Messrs. **Phil. Robinson** and **F. D. Millet**, both of whom made special journeys to the islands.

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Houdans—Frank W. McKenzie, Concord, 1st, 2nd and 3rd cock, 95¼, 93½, 91½; 1st, 2nd, 3rd and 4th hen, 95½, 95¼, 94¾, 93; 1st, 2nd, 3rd and 4th cockerel, 94¾, 93¾, 93½, 92; 1st, 2nd, 3rd and 4th pullet, 95¼, 95, 95, 94¼; 1st and 2nd breeding pen, 190½, 189¼.

White Crested White Polish Bants—Taylor & Son, Detroit, 1st cock 93¾; 1st hen 91½.

Black African Bantams—Hill, 1st cock 91¾; 3d and 4th hen, 93½, 92¼; 2d cockerel 92¼. Taylor & Son, 2d cock 89¾. Donnelly, 1st and 2d hen, 93½, 93¼; 3d cock 89¾; 1st cockerel 94½; 4th pullet 92. Mulinix Bros., Toledo, Ohio, 3d and 4th cockerel, 91¾, 90¾; 1st, 2d and 3d pullet, 93, 93½, 92.

Black Tail Japanese Bantams—A. M. Masterson, Detroit, 1st cock 91½; 1st and 3d hen, 93¾, 90¼; 1st, 2d and 3d cockerel, 93¼, 92½, 91½; 1st, 2d and 3d pullet, 94¼, 93¾, 93½. Hill, 2d hen 91; 4th cockerel 91½; 4th pullet 93.

White Japanese Bantams—W. H. Hill, Detroit, 1st cock 90; 1st hen 93¼.

Red Pyle Games—Haley, 1st hen 94; 1st cockerel 94¾. Arthur Young, Detroit, 2d hen 92¾; 2d cockerel 92¼.

Silver Sebright Bantams — Taylor & Son, Detroit, 1st cock 93¼. J. J. Houghton, Detroit, 2d and 4th cock, 92¾, 92¼; 2d hen 92½. James Anderson, Detroit, 3d cock 92; 1st cockerel 92. Tucker, Concord, 1st hen, 93¼. Donnelly, 2d and 3d cockerel, 91¾, 91; 1st and 2d pullet, 91¾, 90. Aug. Schrader, Detroit, 4th cockerel 90; 3d and 4th pullet, 91¾, 91¼.

Golden Sebright Bantams—William S. Cobb, Jackson, 2d cock, 94¼; 1st, 2d and 3d hen, 93, 93, 92; 1st and 2d cockerel, 93¼, 91¾; 1st, 2d, 3d and 4th pullet, 94, 93½, 93½, 93; 1st and 2d breeding pen, 187, 186⅛. Asman, 1st cock, 93½. Hill, 3d cock 91½. Houghton, 4th cock 89½; 4th hen 92; 4th cockerel 91½. Hummell Bros., Toledo, Ohio, 3d cockerel 91¼.

Buff Pekin Bantams—Fred F. Willis, South Bend, Ind., 1st cock, 92¼; 1st and 4th hen, 94½, 94; 2d and 4th cockerel, 93¼, 91½; 2d, 3d and 4th pullet, 94¾, 94½, 94. Hill, 2d cock, 90½; 3d hen 92¾; 3d cockerel 91½. Houghton, 4th cock 90½. Masterson, 2d hen 92¾. Tucker, 1st cockerel 93¼. John A. Brown, Detroit, 1st pullet 95¼.

Rose Comb White Bantams—Taylor & Son, Detroit, 1st hen 93¾; 2d cockerel 89½; 1st pullet 90¼.

White Cochin Bantams — George F. Mueller, Toledo, Ohio, 1st cock 91¼; 1st hen 92¼; 1st pullet 92¾. Taylor & Son, 2d and 3d hen, 91½, 89¾; 3d pullet, 90¾; 3d cockerel 88½. Masterson, 1st cockerel 92; 2d pullet 91¼.

Black Breasted Red Game Bantams—Eli Hailey, Detroit, 1st cock 94; 2d and 3d hen, 94, 93; 2d pullet 94½. S. A. Noftziger, North Manchester, Ind., 2d and 4th cock, 93½, 93; 4th hen 93; 1st, 3d and 4th cockerel, 93¾, 93¼, 93; 1st and 4th pullet, 95¼, 93. Mullinix Bros., Toledo, Ohio, 3d cock; 93; 1st hen 95; 2d cockerel 93½; 3d pullet 93.

White Game Bantams—Mrs. M. A. Sarve, Detroit, 1st cock, 1st and 2d hen.

Red Pyle Game Bantams — August Schrader, Detroit, 1st and 2d hen, 91¾, 88¾. Taylor & Son, 3d hen 86; 3d pullet S7¼. Hailey, 1st cockerel 93½; 1st and 2d pullet, 94¾, 93¼. Herbert Warrick, Detroit, 3d cockerel 88¾; 4th pullet 87.

Black Breasted Red Games—Hailey, 1st cock 94½; 1st and 3d hen, 94, 92½; 1st and 2d pullet, 94½, 94½. Arthur Young, Detroit, 2d cock 90½; 2d hen 94.

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Editor American Poultry Journal:

Four miles from Ionia, Mich., are located the yards of Geo. B. Gott, the Cochin fancier. Mr. Gott is a chicken man from the ground up, and cordial to all visitors to come to see him. The writer was first taken to a building on a high piece of ground near the barn. The building was about 14x30 feet, of block siding, facing south; well lighted, with earth floor; roosts and drop boards conspicuous by their absence; but when the door opened, before us was a sight that would make any chicken man smile. Two hundred Partridge Cochins, 130 capons and 70 pullets. These represented sixteen years of careful mating and breeding. If you never saw a standard-bred Partridge Cochin capon you have missed seeing one of the most beautiful birds that can be produced. Mr. Gott ships from 200 to 400 capons to Boston and New York every year.

In another building, 30x40, were the mating pens. These birds excel in feathering. Adjoining these young stock was a pen of 14 hens that would delight any man's heart. In spite of their free run, they would have done well in a show room just as they stood. The penciling was superb and the toe feathering fine. One of those 14 was, with Mr. Gott's consent, photographed for The Journal. I named her "Wonder," as she is a wonder in Cochin shape. Look at the length of neck, line of breast and length of leg, together with her general shape. The picture is not a pose or an ideal—it shows her exactly as she is seen. Mr. Gott said he was no longer bothered with hocks. When Cochins come like this one, the body and fluff feathering comes right down to the foot.

There was also a hen that seemed near to perfection in color. Not a feather that should be penciled that was not.

Mr. Gott is not known as a large advertiser, but if anyone wants Partridge Cochins I suggest a visit to his yards.

S. G. Allured.

Ionia, Mich.

—o—

Robert A. Braden has retired from the Ohio Poultry Journal. He is succeeded by J. C. Ely. This announcement will cause to many, as it does to us, a feeling of sincere regret. We shall miss the pungent paragraph and the genial humor of this unusual man. Mr. Braden is not only a true fancier; he is a writer and a wit. While we hope that fortune will continue with the Ohio Poultry Journal, we can not help thinking that without the happy Robert it will not be "the One and Only" of the past.

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Stock scored by Chas. McClave, member A. W. P. R. Club.

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At Toledo Show, Butterfield, judge; 75 birds in class. My White Rocks won 1st cock, 1st and 2d hen, (tied 1st), 4th cockerel; 2d and 5th pullet; 1st pen, 10 birds entered, 10 premiums won. Eggs $2 per 13. Stock for sale.

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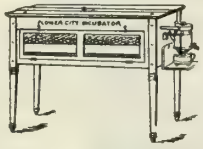


Thousands of these in successful operation, most profitable money makers in existence. All machines are equipped with the very best latest improvements. Large illustrated circular 5c. Large valuable catalog. 10c. Address,

Flower City Incubator Co., Rochester, N. Y.

Are You in Need of a Good Buff Rock?

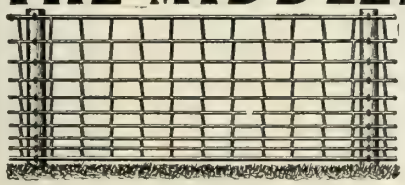
Have over ***100 Selected Cockerels*** for sale. ***Good ones, $3, $4 and $5.*** They cannot help but please. Write if in need and *you want a bargain.* 'Tis a pleasure to answer.

Sec & Treas. Buff Rock Club. **W. C. DENNY, Rochester, N. Y.**

WHITE PLYMOUTH ROCKS THAT WIN. For the past three years I have won the bulk of prizes at Indiana State Show. Cock 94¼, cockerel 95½, hens 95½, pullets 95½, pen 190¾. Some choice stock for sale sired by "White Champion," 1st prize cock Madison Square, 1897. Prices reasonable. Eggs in season. Send for circular

R. M. GARD. Frankfort, Ind.

THE MIDDLEMAN'S MONEY



makes the fence no better. Then why pay him a lot of extra money? Why not save that amount by buying from us at wholesale prices? We do not impair the quality to make our fence cheap. In fact, we depend upon the quality to hold your trade. We could not sell the

Advance Fence

as cheaply as we do if we had to sell it through the dealer. When you buy from us you only pay one profit, when you buy from the dealer you pay two profits. Send postal card for circulars and prices.

THE ADVANCE FENCE CO., 5802 OLD ST., PEORIA, ILL.

213 EGG STRAIN

and prize winners of White Wyandottes, all breeding stock, score from 93 to 95.

15 eggs, ... $2.00
45 " 5.00
Incubator eggs . 8.00 per 100

F. P. PULSIFER, Natick, Mass.

Silver Laced Wyandotte

EGGS.

My yards contain the winners from Dubuque and Galena, Poultry Shows, Dec. '98. At Dubuque 1st cock, 1st hen, 1st and 3d cockerel, 2d and 3d pullet. At Galena 1st cock, 1st hen, 1st, 2d and 3d cockerel, 2d and 3d pullet, and 1st and 2d pen scores, 90 to 93¼. Eggs $2. per 13 straight.
F. J. HOELTING, Galena, Ill.

White Wyandottes and S-c. Buff Leghorns.

Winners at
Chicago, Coldwater, Sturgis.

Eggs $2 per 15 in season. Stock for sale at all times. Satisfaction guaranteed. Circular free. Correspondence solicited.
CHAS. F. HOWE, Coldwater, Mich.

A grand lot of Buff Rock Cockerels, Fine style, size And color. Bargains.

Buff Plymouth Rocks, Cornish Indians, Buff Leghorns and B. B. R. G. Bantams.

S. A. NOFTZGER, North Manchester, Ind.

Buff & White Rock Eggs

From the best mated pens east or west,

$2.50 per 13; $4 per 26.

Write me.
W. O. SOUTHWICK, Friend, Neb.

G. N. KERSTEN, Chilton, Wis.,
BREEDER OF
Barred Plymouth Rocks
and Bronze Turkeys.
Agent for Lee's Lice Killer.—½ gal. 50c; 1 gal. 75c; 5 gal. $3.

500 Fine Breeders for Sale from our Yards.
Bronze Turkeys, Barred and White Plymouth Rocks, White and Silver Wyandottes, Brown and White Leghorns.
FROM 40 SELECTED BREEDING PENS.
Large, Vigorous, Finely Marked. Sure to Improve your Stock. 15 Years' Experience in Mating and Breeding.
Eggs for Sale at all Times. Pairs, Trios and Pens Mated for best Results.
Valuable ILLUSTRATED CIRCULAR Showing Matings, Prices, Plans for Poultry House and Yards Sent Free. Jersey Cattle, of the highest breeding for sale.
"MISS COLUMBIA." Weight 50 Lbs. at 9 mo.
Address F. M. MUNGER, De Kalb, Illinois.

BRAHMAS.

High Bred; High Scoring.

Winners Wherever shown.

A few extra fine ones left, at half price, to make room for mating. Orders now being booked for

Eggs at $2 per 13.

LEWIS G. PLEISS, New Albany, Ind.

Satisfaction or money refunded.

BUFF

Wilson's Buff Ply Rocks are world renowned winners. They are line bred, and show strength of blood in progeny. Customers are like successful in this country and England. If ambitious to lead, let me aid you also, with birds or eggs. **Bargains.** Correspondence cheerfully answered

J. D. WILSON, Box 127 A, Worcester, N. Y.

Barred Plymouth Rock Cockerel.—Bred and Owned by J. B. Kimenour, Belvidere, N. J.

KIMENOUR'S PLYMOUTH ROCKS.

The half-tone picture of the Barred Plymouth Rock cockerel bred and owned by J. B. Kimenour of Belvidere, N. J., shows a remarkable bird. The photograph was taken when he was but three and a half months old. On December 15 he weighed 7¾ pounds. He has an almost perfect comb, a grand beak, and fine legs. His shape, color and barring are described as "wonderfully fine."

Mr. Kimenour has all the original pen which produced this bird, and refused $75 for him. Two $50 sales have been made from this pen. Many egg orders are booked. The bird will probably be used to breed from in the home yards.

The sire of this specimen scored 94½ as a cockerel. Now he will equal that, as weight will offset age. Mr. Kimenour intends to show him in New York, with some of the hens. The dam is a grand specimen. December 15 she weighed 9 pounds. She will appear at New York. Her comb is low, perfect, five pointed. She has the finest wing and general barring her owner has ever seen.

During the season Mr. Kimenour will have about ten pens of Barred Plymouth Rocks. Every specimen will be a tried breeder or a show bird. The plant contains seventeen acres and represents a good deal of money. In addition to Rocks, Mr. Kimenour has S-c. Black Minorcas.

The birds offered by this breeder are shown in half-tone illustrations.

For details of prices on birds and eggs, the reader is referred to Mr. Kimenour's ad on another page of this issue.

—o—

Mark Hurd, of Marshall, Mich., has been breeding fine poultry for over 25 years. He is now breeding only "Ornamental" poultry. He has 15 varieties, some choice birds at very low prices. See ad in "Breeders' Column," A. P. J.

—o—

Struther Sisters, Princeton, Ill. (Maude, Blanche, Clara and Lola), are successful raisers of Black Langshans. Their hen, "Victoria," has won at nine shows, wherever shown in competition. The Journal has always welcomed women into the field of poultry culture. We recommend this firm as worthy of attention by our readers who desire fine Langshans and demand honest dealing.

A. J. BARGAHISER.

A. J. Bargahiser, of Rockford, Ohio, was born July 11, 1856, and has made farming and stock raising his life work. His farm of 160 acres in Mercer county is a model place. He is an educated man in all that pertains to the great industry he has chosen, especially in the art and science of breeding horses and poultry. Mr Bargahiser is one of the founders of the Rockford Farmers' Institute. He is a well-known writer for the agricultural press. His station is recognized among the able, intelligent, reliable and progressive men of his state.

Illustrations of Mr. Bargahiser's Houdans are herewith presented. The photograph has failed to do justice to the specimens, but some idea can be formed of them. In the ad given elsewhere appears a fair picture of "Vesta," one of the most prolific layers owned by this breeder. The bird scored 95 by Bridge.

Cut No. 1 is a picture of "Chief," which shows what Mr. B.'s stock was years ago. This is the oldest bird he has, and scored 93½ at eight years by Bridge. He is still vigorous and a splendid breeder. The camera shut off half his tail, injuring the looks of this noble fowl.

Cut No. 2 is of "Remus," a cockerel above standard weight. Charles McClave says he is as fine a bird as he has seen this fall.

———o———

The Elkhart Carriage & Harness Co. of Elkhart, Ind., come to us as advertisers well recommended, and present their business in a convincing and practical way. Their prices are so low for good carriages and harness that you are missing a chance to "make money," as they put it, if you do not send for their catalogue. They employ no agents, therefore can afford to make a price below others. Poultry fanciers are proverbially good judges of artistic work. These people will score way up on their goods.

U. R. Fishel of Hope, Ind., won two firsts and a third prize at Chicago and carried off the White Plymouth Rock club cup. To win a first premium at the Chicago show means a great deal, but to win first and third on cockerels and first on pen (the latter being necessary to win the Club cup), Mr. Fishel has good reason to feel proud.

Arthur G. Duston, Marlboro, Mass., is undoubtedly one of the very foremost specialists in White Wyandottes in America. We commend him and his fine work.

C. H. Wyckoff, Groton, N. Y., is doing grandly with his Leghorns. He has the finest lot he ever raised, and that is saying all that need be said of them.

ROSE COMB BROWN LEGHORNS

See my record for past three years at Chicago. Chicago 1899, 4 firsts, 1 second, 2 thirds, 1 fourth, 1 fifth. Chicago 1898, 4 firsts, 2 seconds, 1 third, 2 fifths. Chicago 1897, 1 first, 1 second, 1 third, 1 fifth. Some choice cockerels for sale from $2 to $5.

C. J. LANCASTER, Maywood Cook Co., Ill.

NOTICE.

This is to certify that I have sold my entire stock of Buff Cochins and good will to Lynnhurst Poultry Yards Glassboro, N. J., with the request that all my old patrons direct their inquiries to them, said right to extend to Dec. 24th, Nineteen Hundred and One. 2-4

White Plymouth Rocks.

Won 1st on ckl., 1st, 2d and 3d on pullets at the Iowa Falls show. A few good ones for sale yet. Eggs from my prize winners $1.50 per sitting. I also have some fine Light Brahmas and Black Minorcas.

T. P. EBERSOLE, Manson, Iowa.

Eggs Reasonable from Thoroughbreds

90c for 15, $1.75 for 30, $2.50 for 45, $4.00 for 75, $5 00 for 100. Fertility guaranteed. Order from this; Remitting by P. O Order, or write for Catalogue Free. Stock at $1.50 to $5. each, from White Buff and Barred Plymouth Rocks, White, Golden and Black Wyandotts, S-c. Buff, Brown and White Leghorns, R c. White Legs S. S. Hamburgs, Red Caps, White and Black Minorcas, Light and Dark Brahmas, Red Pyle Games, Houdans and Mammoth P. Ducks; also $1.50 for every 15 eggs from Sherwood's White Wonders. White and Cornish Indian Games, Black Javas and American Dominiques.

The Reliable Brookside Farm. Nelson, Pa.

HAVE WON

HALTEMAN'S BUFF PLYMOUTH ROCKS

their share of premiums in the show room. Five bre ding yards of the best blood obtainable - Wilson, Burdick and Joslin strain. Prices low considering buality. (No stock fo sale). Orders for eggs booked now for spring trade. Eggs, $1.50 per 13; $3. per 30. Write for cir cular.

WM. H. HALTMAN,

EAST COVENTRY, PENNA.

HOUDAN COCKERER REMUS.
Bred and owned by A. J. Bargaheiser, Rockford, O.

HOMDAN COCK CHIEF.
J. A. Bargaheiser, Scored 93½ at 8 years old.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Single-comb Brown Leghorns.

Won 2 firsts, 1 second, 1 third at Sibley, Ill., Poultry Show Jan. 1899. Hens and cockerels for sale at a bargain if sold by Feb. 20th.

A. B. DYER, Forest, Livingston, Co., Ill.

WHITE PLYMOUTH ROCKS---Exclusively,

Choice young stock for sale, eggs from pens that scored 94½ to 96½ by H. A. Bridge, $1.50 per sitting, $2.50 per 2. Circular free. Member A. W. P. R. Club.

J. S. HOFFMAN, Sharon, Pa.

WHITE WYANDOTTES, Only.

Eggs that will hatch a specialty. From stock that are as good as can be found anywhere at any price. They have never had roup or any other disease. They are beauties and will please the most critical. Eggs 13 for $1.50, 26 for $2, 50 for $3, 100 for $5. Reference Havana National Bank.

HARRY HILL, Box 327, Havana, Ill.

Do Our W. P. Rox Stay White?

Our 2-year old cock is like snow, so are his mates. Eggs 13 for $1.25. Pekin Ducks that are big fellows, eggs 11 for $1.25.

GEO. OWEN,
Box 32, Wray, Col.

LIGHT BRAHMAS--Mammoth Strain

Have 10 yards headed by **cock scoring** 93¾ by Brown. **Highest scoring Brahma** at Shenandoah Show, and his **cockerels scoring** 92 to 95, also **3rd prize cock** at Malvern Show. **Egg orders** booked now **$1 for 13** (regular price $1 to $3 for 13) **stock at $1 to $1.50** each. Circulars free.

J. G. LEMBKE, Griswold, Iowa.

Buffinton's Buffs

Still take the lead. Hundreds of prizes won at such shows as Madison Square Garden, Buffalo, Hagerstown, Hartford, Providence, Boston and nearly every local show in New England. We have the only flock of good Rhode Island Reds in the country. Eggs from Buff Wyandottes, Buff Plymouth Rocks, Buff Leghorns, and Rhode Island Reds, $2.00 for 13, $5.00 for 40. Buff Cochins, Barred P. Rocks and White Leghorns, $1.25 for 13, $3.00 for 40. Incubator eggs from fairly good stock, $3.00 for 100, $5.00 for 200. For $1.00 we will send receipt of Sampson's method of feeding hens for eggs. Send for circular.

ROWLAND G. BUFFINTON,
Box 677. Fall River, Mass.

Buff Cochins

EXCLUSIVELY.

At Lincoln, Ill., 1899, won as follows in hot company: Entered 15 birds. 1st ckl. 94, 2d ckl. 92½; 1st cock 93½; 1st hen 96¼, 2d hen 94½, 3d hen 94¼; 1st pul 95½, 2d pul. 95, 3d pul 95, 4th pul. 94¾. 5 other pullets scoring 94, 93½, 93½, 93½ and 93. 1st Pen 189 7-16, 2d Pen 187⅝; also won cash special for highest scoring bird in showroom. My Buffs are grand in shape and color. Birds and eggs for sale. Above birds scored by W. B. Shaner, Judge.

JOSEPH P. DEHNER,
Lincoln, Ill.

Do You Want to Get Out of Debt and Lay Up a Dollar Besides?

THEN LISTEN.

There's money in hens. If you don't believe me ask the editor of this paper. My Buff Plymouth Rocks and Buff Chchins make money for me and my patrons. Wonderful layers, large vigorous stock. Always winners! I have a number of those excelsior egg machines, called Buff Leghorns. If you want eggs seek no farther. My "Little Beauty" Buff Cochin Bantams,—What are they good for? Everyone wants them. Handy to exchange for Dollars, See? Breeding and exhibition stock always for sale. Eggs for hatching $2.50 per 13, $6.00 per 40. Express paid on egg orders of $6 00 and over. Satisfaction guaranteed. Write now while you think of it

W. H. SCOVIL,
Box 82. East Lebanon, Maine.

LIGHT BRAHMA COCK "BEAU BRUMMELL II."

LIGHT BRAHMA HEN "DELILAH III."

TWO NOTED WINNERS

The Journal presents two illustrations made direct from photographs of two noted Light Brahma winners of the Higley strain. Beau Brummel II was the second prize cock at Chicago last winter and Delilah III was second hen. These birds, son and daughter of Delilah II, the celebrated bird that won first at Cedar Rapids and at Omaha in 1896, with a score of 96; and 1st hen at Cedar Rapids in 1897.

The second prize pullet at Chicago last year was one of Beau Brummel's chicks. To this strain belongs the honor of producing the highest scoring Light Brahma ever scored by I. K. Felch, a pullet in 1896, reaching a score of 96½ by this noted authority.

Any of our readers interested in Light Brahmas should send for catalogue, which will be mailed free by addressing The Willowhurst Light Brahma Yards, Station C, Cedar Rapids, Iowa.

———o———

D. G. Mange, Lowell, Mich., has fine B. P. Rock stock, from the best strains, mated as called for by the Standard. He is a responsible man in every sense.

WITH OUR ADVERTISERS.

Seedtime is nearly here again. In preparing for the season of hope and courage, remember to send for Mills' Seed Catalogue, issued by the well known house of F. B. Mills, Rose Hill, N. Y.

Alexander Bicket, Tilden, Ill., won all premiums competed for except two at Belleville, Ill., December, 1898, J. W. Wale serving as judge. His Langshane won on scores ranging from 89 to 95½.

Lucas & Reilly of Danville, Ill., were winners on White Plymouth Rocks at Hoopestown, Ill. They furnish score cards with their cockerels.

Grover & Grover of Concord, Mich., won as follows at Chicago on White Plymouth Rocks: 1st cock; 1st, 2d, 3d hen, and $25 silver cup for the highest scoring ten. On Black Javas. —1st, 2d cock; 1st, 3d hen; 2d, 3d cockerel; 3d, 4th pullet.

The Indian Runner Duck is proving to be eminently satisfactory as a laying. This new variety is bred by R. B. & C. H. Dayton, Remsenburg, N. Y., to whom all inquiries should be addressed.

Geo. Ertel, Co., Quincy, Ill., has issued the most instructive catalogue of the well known Victor Incubator and Brooder ever sent out by this old established house. It can be had on application to above address.

The Monitor Incubator, made by A. F. Williams, Moodus. Conn., is coining prizes. At Paxton, Ill., it hatched 90 per cent of all eggs put in, and at Rockford, Ill., its record was 85 per cent.

Alfred Doyle, Morgan Park, Ill., won at Chicago 1st, 5th on cock in Light Brahma class. His young stock was not far enough advanced but his birds are true stuff.

R. W. Roberts, Camroden, N. Y., has issued a beautiful circular in colors which describes his Buff Rocks. Send for one and ascertain the offerings by this intelligent and progressive breeder.

Royce's Safety Egg Box is one of the necessities to those who sell eggs for hatching. Write for circular at once, mentioning the A. P. J., and address C. H. Royce & Son, 201 Jefferson Ave., Detroit, Mich.

Barnett & Johan, Mazon, Ill., won on Buff Leghorns and Buff Rocks at Bloomington, Ill., under Hewes, in satisfactory manner. Besides the leading prizes, they took special on best colored Rock pullet. Their list at other shows confirms their stock.

Chas. K. Esler & Sons, Lansing, Mich., with prize S-c. B. Leghorns, are offering 100 or more 92 to 94½ point birds at sacrifice sales, owing to private reasons in no way affecting their stock. There is a chance for some one.

The C. S. Bell Co. of Hillsboro, Ohio, report that more Steel Alloy Bells were sold last year than ever before, and more letters were received expressing the unbounded satisfaction of the purchasers than in any former year, which proves that the quality is fully up to the high standard established by this old reliable firm. No advance in price as yet.

Ralph H. Mathew, Sabina, Ohio did splendidly at Chicago. His Buff Leghorns won 1st and 3d pullet; 3d (tie) hen; H. C. on cockerel; 2d pen. His specialties are Buff Leghorns and Cochins.

A. L. Rice, Danville, Ill., won on S-c. B. Leghorns at that show, under Hewes, 1st cock 93¾; four straight on hens, 94½ to 93; three cockerels, 94¾, 93¾; 1st, 4th pullets; 1st pen; and ties on other birds. The cock he believes is the champion of the state.

Dr. Wm. Hallowell, breeder, and manufacturer of Hallowell's Improved Gape Worm Extractors, has removed from Philadelphia to Davisville, Pa.

J. H. Doane, Gouverneur, N. Y., has a goodly supply of fresh eggs from two Black Minorcas during the winter. This is a proof of the profitable qualities of that fowl.

Tillman Easley, New Market, Ind., who breeds White Plymouth Rocks, has the strongest kind of endorsement from C. E. Howe, South Milford, Mass., to whom he sold eggs. Such letters are proof of the value of Mr. Easley's stock.

The De Kalb Fence Company of De Kalb, Ill., who are old advertisers in these columns and who are well known to our readers as manufacturers of woven wire fencing, have just notified us of a new departure in their business. Foreseeing the necessity of a better grade of poultry fencing, yet cheaper to the user, they have placed upon the market the M. M. S. Poultry Fence. The superior point of this fencing, we are informed, is that it is a true fence and not a netting; this means that while the fence is completely interwoven, it has continuous lateral wires which are interspersed at intervals with twisted cables running the entire length of the fence. The advantage of this arrangement is obvious, as it admits of the complete and thorough stretching of the fence. It does away entirely with the top and bottom rail required by the old style netting and requires but half the number of posts. If you are thinking about using any poultry fence, write these people for circulars and prices.

Aug. H. Morgan of Austin, Ill., won on S-c. B. Leghorns 2d pullet 94, one entry, at Chicago and 2d pullet 95 at Cedar Rapids, Ia. Mr. Morgan commences a yearly add this month and we recommend him to our readers.

THE THREE ESSENTIALS.

"There are three things essential to raising good poultry: AMERICAN POULTRYJ OURNAL, RELIABLE POULTRY JOURNAL and FARM-POULTRY. I would not miss a single issue. "GEORGE REEDER, Louisa, Ky.

The Three Grand Representatives of Modern Ideas in Poultrydom, ... For **$1.25**

American Poultry Journal, . . .50.
Reliable Poultry Journal, ...50.
Farm-Poultry (semi-monthly) . $1.00.
(Regular Price) $2.00.

All three one full year for only $1.25 a year.

Address AMERICAN POULTRY JOURNAL, 325 Dearborn street, Chicago, Ill.

BANTAMS—Golden Sebright, Silver Sebright, Black African, White Rose-comb, White Polish, Black Cochin, White Cochin, Buff Pekin, Black Tail Japanese, Red Pile Game, Black Red Game, Golden Duckwing Game, Silver Duckwing Game, Cuckoo Cochin. Eggs $1.50 for 13. H. D. & H. P. TAYLOR, 274 Warren ave., East, Detroit, Mich.

BUFF WYANDOTTES.

Winners Wherever Shown.

Send for circular giving prizes.

Some fine young stock for sale.

Eggs $2.50 per Sitting.

C E. ELLSWORTH, Danville, Ill.

Foot Feathering And Penciling.

is what I have. 16 years a breeder of Partridge Cochins exclusively. Some good cockerels and pullets for sale. Satisfaction guaranteed.

GEO. B. GOTT, Iona, Mich.

BLACK LANGSHANS.

200 Head For Sale.

Won at Danville 1897, and Illinois State Show at Danville, 1898 and Dec. 28th and 31st, 1898. Scored by Russell, Hewes and Pierce. Eggs $2 00 per 15, $3.00 for 30; money returned if not satisfied.

W. M. MAYER,
824 E. Main st., Danville, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

30 WORDS
SINGLE INSERTION
50 Cents

Under these headings, cards of **Thirty Words** or less, will be inserted for **Fifty Cents** a single insertion, or three insertions for One Dollar. Each extra word will be two cents each insertion. Initials or Figures counting one word. ☞Advertisements coming to us short-paid will not be inserted. No display or changes can be allowed, and all cards must be uniform in style.

30 WORDS
THREE INSERTIONS
and the JOURNAL one year,
$1.00

On writing any of these advertisers mention A. P. J. It helps you and does n't hurt us.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

BREEDERS

A. L. RICE, Danville, Ill.—Rice's Brown Leghorns swept the platter at Danville, Ill., Show, Dec. 28-31, '98, Theo. Hewes, judge, winning, cock 1st 93¾; hens 1st, 2d, 3d, 4th, 94½, 93¾, 93½, 93; cockerels 1st, 2d, 3d, 94¾, 93¾, 93¾; pullets 1st, 4th, 94½, 93½; tie 2d and 3d 93¾. Eggs $2. for 15, guaranteed from best mating. 2-1

FRED L. KIMMEY, Morgan Park, Ill.—Buff Leghorns and Black Langshans for sale at reasonable prices. 2-3

GEO. F. MUELLER, 425 Tecumseh st., Toledo, Ohio—White Cochin Bantams exclusively. Won four firsts (four entries), Detroit; clean sweep, Toledo. Stock $5. trios upwards, eggs $3. Satisfaction guaranteed. Write wants. 2-3

WM. H. FATHAUER, Box 96, Boody, Ill.—Prairie Poultry Yards, breeds Barred Plymouth Rocks, Light Brahmas, Partridge Cochins and Embden geese eggs $2. per sitting; fine breeding. stock for sale. 2-3

MRS. C. A. WARD, Prop. Sunny Side Poultry Yards, Box 274, Liberty, Ind.—Partridge Co hin chickens a spacialty; M. B. Turkeys, Pekin ducks, also eggs, fine Canary birds. 2.3

L. S. CARTER & CO., Hammond, Ill—The Central Illinois Poultry Yards offers extra fine B. Langshan and White P. Rock females at $1 each or $10 per dozen. Extra fine stock. 12-3

S. B. McFARLAND, Sunbury, O.—Again my S. S. Hamburgs, G. Wyandottes and W. C. B. Polish wins at Sunbury poultry show, with scores as high as 94 by McClave, Winners for sale. 12-3

LARGE ENGLISH RUNTS and Squab breeders. At Chicago, '98, took 7 firsts, 5 seconds, 4 thirds. Stock for sale at all times. Write for prices. John M. Riel, 122 Cortez st., Chicago, Ill. 2-1 yr

BUFF LEGHORNS and Buff Rocks—Grand layers, size and color. Winners in hot company—will win again. Extra fine birds, with color to burn, for sale. Thos. H. Mills, Port Huron, Mich. 4-98-1y

SCHWAB BROTHERS, Rochester, N. Y.,—Barred Plymouth Rocks that have won at Washington, Toronto, Chicago, Buffalo, etc., a choice lot of cockerels and pullets at right prices. Satisfaction guaranteed. Catalogue free. 12-3

F. G. FAIRBANK, De Ruyter, N. Y.—White Plymouth Rocks—large vigorous stock for sale. Eggs, $2 per sitting, and every bird in the pen scoring above 90. Good hatch guaranteed. 1-3

WALTER A. WAGNER, Chenango Bridge, N. Y.—White Plymouth Rocks. At Binghamton, '98, 1st pen, hen, cockerel, pullet, 2d cock, chicks. Eggs, $2 per 15. 1-3

SCHUNEMUNK POULTRY YARDS, Nelson Brusie, Salisbury Mills, N. Y.—Buff Plymouth Rocks, Rose-comb Buff Leghorns, prize winners at Newburg, N. Y., Middletown, N. Y., and Walden, N. Y. Write. 1 3

T. S. HEWKE, May's Landing, N. J.—White Wyandottes exclusively. Stock for sale. Prize winners. Beauties as well as best general purpose fowl. Large, vigorous birds. Eggs $2 per sitting. 1-3

S. J. MARTIN, Titusville, Pa.—Breeds Single-comb White and Buff Leghorns that are strictly first class Buffs, imported direct to my yards. Square dealing and stock as represented or money refunded. Eggs for hatching my specialty. New circular and price list for 1899 is now ready. Correspondence a pleasure. 1-3

MARGARET GREENWOOD, Loami, Ill.—Silver Laced Wyandottes for sale. Cockerels, $1 and $2 each; pullets, 75 cents. White Holland Turkeys. Toms, $2; hens, $1.50. Wyandotte eggs $1.50 per 15. 1-3

E. A. SCHILLER, Beaver Dam, Wis.—White Wyandottes exclusively—A. F. Hunter and Arthur Duston strains. A lot of fine young stock for sale. Can furnish score card after Dec. 13, '98, by Hewes. Eggs in season, $1 for 13. 12-6

WYANDOTTES—Golden, Buff and Partridge. I now own most of McKeen's best yards, bought from his widow. My own have won 34 first and second prizes at Mid-Continental, Kansas and Nebraska State shows in 3 years. Stock and eggs for sale. W. A. Doolittle, Sabetha, Kas 3-1 yr

H. H. CHURCH, Vermontville, Mich.—Light Brahmas exclusively; 200 birds to select from. Stock started from America's best breeders. Grand lot of pullets and cockerels for sale. Correspondence solicited. 12-3

WOODCLEFT POULTRY YARDS, Freeport, N. Y.—Game and Cochin Bantams—The world renowned (Woodcleft strain) B. B. Reds, Red Pyles and Silver Duckwings, Buff, Black and White Cochin Bantams. 12-3

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FOR SALE—Winners from Black Langshans, pen scored 188½ by judge Lane. 32 cockerels. 45 pullets, 92½, 94, points, judges McClave and Heimlich. Eggs $1.50 per 17. H. W. House, South Bend, Ind. 2-3

FOR SALE—35 M. B. Turkeys, Toulouse geese, heavy weight, winners at Chicago show, 1 1st, 2 2d, 4 5th. $3.25 per 13 eggs; geese eggs $3.40 per 9. H. W. House, South Bend, Ind. 2-3

FOR SALE—Or exchange Buff or White Rocks, White Indian Games, Buff Cochins, Irish setter dogs for Mann bone cutter or 100 egg incubator. Prize winners at Northville and Detroit. Eggs for sale in season. Wm. Nevison & Son, Northville, Mich. 2-1

FOR SALE—Closing out sale. 50 Black Wyandottes, all score from 91 to 95½, including all my Chicago winners must be sold in 30 days. Write quick with stamp. Henry Hess, Winona, Minn. 2-1

FOR SALE—Wyandottes,— Golden, Buff and White. My stock is away up in color, size and shape. For healthy well bred birds or eggs write to J. R. Douglas, Mound City, Kas. 2-3

FOR SALE—White Plymouth Rocks, 1 rooster and 4 hens $5.; hens $1. each. Eggs $1. per sitting from chickens scoring 90 to 93½ points. Charles Fifield, 137 Onita St., Youngstown, Ohio. 2-3

FOR SALE—Barred Plymouth Rock Eggs for Hatching. Leffel and Hewes strains. Eggs $1.50 for 15; $2.50 for 30. S. S. Snyder, Cedarburg, Wis. 2-3

FOR SALE—Halteman's Golden Wyandotte at Toledo, Ohio, Dec. 16-21-98, won 1st cock, hen and cockerel; 2d hen, cockerel and pullet; 3d and 4th pullet; 1st breeding pen. Hundreds of prizes won. Cockerels for sale cheap Golden and Partridge Wyandottes. Eggs $3. G.E. Haltemann, Box C. Tiffin Ohio, 2 3

FOR SALE—Look here if you want stock or eggs of Buff or Barred Plymouth Rocks or Cornish Indian Games. Stock guaranteed, write, I can please you. J. S. McKinley, Easton, Ill. 2 3

FOR SALE—15 eggs $1. Wyandottes, Black Langshans, White Leghorns, Barred and Buff Plymouth Rocks, Black Minorcas. Breeding from yearling stock, large and fine. J. E. Black, Fairfield, Ill. 2-3

FOR SALE—Barred Plymouth Rocks exclusively. None better. Chicks hatched from my stock took first prizes at Kankakee County Fair in '96 and '98, only times on exhibition. Eggs $1. for 13, securely packed and shipped to any part of the world. Stock for sale after Sep. 1st. J. Frank Tyler, Chebanse, Ill. 2-3

FOR SALE—Bargains! Closing out, 30 Black Minorcas, 24 Buff Leghorns, 10 Partridge Cochins, 30 Buff Wyandottes, $1. each, including show birds if all taken. White Wyandottes, Buff Plymouth Rocks a specialty. Send stamp for circular. Nuss & Son, Tina, Mo. 2-3

FOR SALE—Barred Rock eggs for incubators, $4. per hundred, cheaper in large lots. Stock very fine, large vigorous birds. Highland Poultry Farm, Box 714, Des Moines, Iowa. 2-3

FOR SALE—Half Price Sale. Minorca cockerels; pair Brown Leghorns; pair Silver Wyandottes, and well trained Beagle hound. All fine stock. Write for prices. C. A. Mack & Bro., East Greenville, Pa. 2-3

FOR SALE—Bronze Turkeys from Mid Continental winners. Barred P. Rocks, Buff Cochins, and Toulouse geese. Write for prices. Mrs. G. F. Fleming, Box 52, Rosendale, Mo. 2-3

FOR SALE—Lake Shore Poultry Farm offers the finest lot of Partridge Cochins, Light Brahmas, and Single-comb White Leghorns ever offered. Eggs $1.50 per 13. Satisfaction guaranteed. Mrs. H. Marlow. Box 217 Beaver Dam, Wis. 2-3

FOR SALE—Buff Leghorns from the best stock in America; bred for utility, perfect in symmetry, magnificent color and most excellent layers of large eggs. Eggs from my best pens $1.50 per sitting. M. H. Maxwell, Marinette, Wis. 1-3

FOR SALE—Eggs, White and Barred Rocks; Buff and Rose-comb, White Leghorns, $1. per 13; $2. per 30. Buff Leghorns and Pekin Drakes for sale. Mrs. Nannie Oates, Box 26, Vernon, Ill. 2-3

FOR SALE—80 per cent hatch guaranteed, from Barred or White Plymouth Rock eggs from my yards or sitting duplicated at half price. $1.50 per 15. Strictly standard bred. Fred H. Hand, Cambridge, Ill. 2-3

FOR SALE—Hawkins' Barred Rocks. A few choice cockerels at moderate prices; also eggs from high scoring birds of Hawkins' strain, direct, Barred Plymouth Rocks and White Wyandottes, $1.50 per 13. S. F. Flint, 1,600 Glen Oak Ave., Peoria, Ill. 2-1

FOR SALE—Eggs from R-c. Brown Leghorns scoring from 94 to 95 by Pierce, winners in '97 and '98. $1.50 per 13. Good hatch guaranteed. John H. Ditsch, Box 250, Mishawaka, Ind. 2-3

FOR SALE—Cheap high class English carriers, in black, dunn and blue, winners at Peoria show; all good birds. 20 years a breeder. F Hudson, 209 Tnrush Ave., Peoria, Ill. 2-3

FOR SALE—100 egg incubator and 100 chick brooder (Prairie State) used but one season and in perfect condition. Cost $35. Both now, $22. Howard Norton, Box 217 Lockport, Ill. 2-3

FOR SALE—325 egg Monarch incubator, good as new, $35.; 150 chick Old Hen Brooder, $2.50; pen Buff Cochins, $7. Thoroughbred Light Brahma hens, $1. and $1.50 while they last. Oscar L. Von Nieda, Lane Co., Ephrata, Pa. 2-3

FOR SALE—25 Light Brahma cockerels score 88½ to 92 by Hewes (judge), Felch and Autocrat strain. Price $2. to $5. with score card. Eggs $2 per 13. Henry Linne, Danville, Ill. 2-3

FOR SALE—White Minorca, Buff Leghorns, Black Minorcas, Partridge Cochins, strictly first-class. Write for prices, a few fine birds for sale cheap. Eggs in season. Mrs. C. M. Gordon, Georgetown, Ohio. 2-3

FOR SALE—Fine Partridge, Buff and Black Cochins, $2. to $5. each, $5 to $10 per trio. Eggs $2. per 13, $5. per 39. Dr. H. F. Ballard, Chenoa, Ill. 2-3

FOR SALE—My breeding pen of S-c. B. Leghorns consisting of 1 cock and 6 hens. Price $10. These are grand birds and a bargain for some one. F. W. Ashley, Evanston, Ill. 2-1

FOR SALE—At a bargain, 1 cockerel, 7 pullets of fine Houdans at $5 for the 8. G. N. Kersten, Chilton, Wis. "None but good ones." 2-1

FOR SALE—B. P. Rock cockerels, Dalby Bros. strain. Light Brahmas, Shellabarger and I. K. Flech strain, direct. Eggs $1.50 per 15. F. M. Likens, Barnes, Iowa. 2-3

FOR SALE—Leghorns, R-c. Brown and S-c. White. Prize winners at $1 each. Eggs for sale at $1. per sitting, 15 eggs per sitting. Herman Siedel. Georgetown, Ohio. 2-3

FOR SALE—St. Bernard bitch, 7 mo. old, pedigreed, correctly marked, breeding can't be beat, will make a grand brood bitch; here is a chance to get a good one reasonably. Address G. W. Browning, Lincoln, Ill. 2-1

FOR SALE—White Wonder eggs, $2. for 13. White Wonder, the all purpose fowl, good winter layers. Will book orders from now until season opens. Frederick Hill, Holland Grove Yard, Washington, Ill. 2-3

WHEN WRITING ADVERTISERS MENTION AMERICAN POULTRY JOURNAL

FOR SALE—White Wyandottes exclusively. A grand lot of cockerels at reasonable prices. Eggs for sale in season. Write for wants. A. H. Arnold, East Townsend, O. 1-3

FOR SALE—50 B. P. Rock cockerels and pullets. Pekin Ducks, Toulouse Geese, White Bantams, White Wyandotte cockerels. Address R. S. Drain, Pana, Ill. 1-3

FOR SALE—My Buff Rock Matings this year are grand, can fill all orders for eggs at $2. per sitting, $3.50 per 26. Some stock for sale. Joseph Kay, David City, Neb. 2-3

FOR SALE—S-c. Brown Leghorn eggs at $1. per sitting. No birds in my yards that scored less than 92 points by Pierce and McClave. C. W. Rudolph, Hamilton, Ohio. 2-3

FOR SALE—A grand lot of W. Wyandottes and R-c. Brown Leghorns. Write me for circular and price list. Eggs in season. $1.50 per 15. Address Ed. Hippert, Kewanee, Ill. 1-3

FOR SALE—Eggs from choice pens of Buff and Barred Plymouth Rocks, $1.50 per 15. Fine April hatched Buff at $5 per trio. J. E. Hill, Ovid, Mich. 1-3

FOR SALE—80 Single-comb Brown and Black Leghorn pullets and Mammouth Pekin Ducks, including my last year's winners at $1 each. Satisfaction guaranteed. Fred A. Ullrich, Chillicothe, Ill. 1-3

FOR SALE—Some high scoring Brown Red Game Bantams with score cards by Sharp Butterfield, and others just as good. Address, James Glasgow, Cozad, Neb. 1-3

FOR SALE—Light Brahmas and White Plymouth Rocks, high class prize winners. Choice cockerels and pullets for sale. Eggs in season. Write for prices. Specialty Breeders' Club, Lock Box 306, Middletown, Ind. 1-3

FOR SALE—For one dollar each 100 Buff and Barred Rock and Black Langshan cockerels and Barred Rock pullets for the next 30 days. Eggs in season. C. C. Eldridge, Honeoye, N. Y. 1-3

FOR SALE—High scoring Lt. Brahmas $1.50 to $3 each, the kind you are all looking for—large size, good dark color, finely marked. Also "Barred Rox." U. Grant Davidson, Manson, Ia. 1-3

FOR SALE—Mammoth Bronze Turkeys, finely marked, two for $5. Pekin Ducks, Lt. Brahmas and Barred P. Rocks, $1.50 to $2 each. Eggs in season. G. O. Anderson, Homer, Ind. 1-3

FOR SALE—Sherwood's Barred and White P. Rocks, Light and Dark Brahmas, Partridge Cochins and Black Minorcas. A fine lot of stock at reasonable prices. Eggs in season. Emmett Leonard, Liberty, Ind. 1-3

FOR SALE A few Cornish Indian Game cockerels at $1.50 each. Write quick. O. H. Briggs. Marcus, Ia. 1-3

FOR SALE Light Brahmas—no one stock. I make a specialty of this breed; 150 fine birds at reasonable prices for quality. and White Holland Turkeys. Satisfaction guaranteed. Eggs in season. M. L. Rude, Liberty, Ind, 1-3

FOR SALE—Silver Laced Wyandottes exclusively, McClave strain; typical shape and size; well laced, farm-raised, vigorous. Satisfaction guaranteed. Eggs from winning stock, $2 per 15. Mrs. D. E. Whitaker, Signal, O. 1-3

FOR SALE—If you are looking for geese and ducks of any Standard variety, write Dick Vannier, Neelyville, Ill., for his circular. 1-3

FOR SALE—White Face Black Spanish. I have bred them 35 years; scores at shows from 93 to 97. Fowls $3 to $5 each; eggs $2 per 13. Circular free. J. Bennett, Sunman, Ind. 1-3

FOR SALE—Klondike new breed of chickens, valuable and beautiful plumage. Never fly away. Attract notice everywhere. Good layers. Low introduction prices. Cut and description free. Address, William R. Black, Bolivar, Ohio. 2-3

FOR SALE—Barred Plymouth Rock Eggs, from strictly high scoring matings. I have beside my own the Montauk Thompson and Conger strain. Write your wants. T. A. Somdal, Mansfield, Ill. 2-3

FOR SALE—Golden Sebright Bantams, $1 and up. One Buff Bantam cockerel for sale or exchange for Belgian Hare. C. L. Dearlove, Desplaines, Ill. 11-3

FOR SALE—Looking for cockerels—Light Brahmas, Buff Cochins, Partridge Cochins, S-c. Brown Leghorns, Indian Games, Bronze Turkeys or Pekin Ducks. Write your wants. John C. Lamb, Box 7, Voorhies, Ill. 1-3

FOR SALE—Ferrets and Pheasants cheap. Ferret Keeper, by Wallace & Son, 10 cents; Pheasant Breeding, by Wallace, 20 cents. Ferret Muzzles, mail 20 cents. Catalogue free. Wallace & Son, Lucas, O. 1-3

FOR SALE—Cheap, my fine improved 7-room frame cottage; has gas attachment for incubator use; big chicken-house, small brooding-house; 3 fenced yards; lot 25x177. For particulars write or call. John M. Lenske, 977 Ballou st., Chicago. 1-3

FOR SALE—15 eggs $1. S. L. Wyandottes, B. P. Rocks, C. I. Games. S-c. Buff Leghorns, S. S. Hamburgs, Blue Andalusians. I am now booking orders for 1899. R. I. Jessop, Fairfield, Ill. 1-3

FOR SALE—13 eggs $1. per sitting of English Red Caps, Light Brahmas, Black Minorcas, White Minorcas, Silver Wyandottes and White Leghorns. Frank Tobias, Mt. Aetna P. O., Berks Co., Pa. 2-3

FOR SALE—Bone Cutter, one double hand power Mann bone cutter, $8. Black Magpie pigeons, Dr. Gibson strain, young $1.50 and $2. per pair, old $4. F. Laberteaux, Albion Mich. 2-3

FOR SALE—White Holland turkey eggs from large stock $2. per dozen. Barred Plymouth Rock eggs $1.50 per sitting. A specialty of above birds for 15 years. Mrs. J. J. Myers, Woodlyn, Ohio. 2-3

FOR SALE—Pit Games, Browns, Reds and Dominiques. If you want Pit Games you want fast strong birds that can win. I have the kind that you want, write me. Satisfaction assured. B. J. Dolph, Saginaw, Mich. 2-3

FOR SALE—Down goes the prices but not the quality. Cocks, White Plymouth Rock and White Leghorn, $1.50 to $2. each. The Rocks average in weight 10 lbs. One breeding pen of White Leghorns, "Dewey" and four mates $5. Birds hatched two years ago this spring from Hewes & Knapp Bros. $3 eggs. Benj. H. Hiestand. Martinsburg, Ind. 2-3

FOR SALE—Light and Dark Brahma, Black Langshan, White Buff and Partridge Cochins, Cornish Indian Game, Rouen Ducks eggs, $1. per 15. $1.95 won in '97-98. A. A. Vaughan, Ewing, Ill. 2-1

FOR SALE—My best Barred Plymouth Rock cockerels at $1.50 each; White Wyandotte cockerels $1. each; choice Bronze Toms (Mrs. Mackey stock, direct) $3 each. Mrs. A. J. Colvin, Milton, Ill. 2-1

FOR SALE—S. S. Hamburgs, Houdans and Mongolian Pheasants. Eggs for hatching $2 for 13, $3.50 for 26; Pheasant eggs $4. for 15. Photo-pamphlet of prize winners mailed free. Horicon Poultry Yards, Horicon, Wis. 9-98-1y

FOR SALE—Games, first prize cockerel at Chicago (1898) heads my yard of Red Pyles and a 94½ cockerel my pen of Black Breasted Reds. Circular free. F. E. West, Darlington, Wis. 2-99-1y

FOR SALE—Cornish Indian Games, Barred Plymouth Rocks and Buff Bantams. Eggs $2 per 13. My yards contain the leading strains. A few choice breeders left. J. L. Herbst, Sparta, Wis. 2-3

FOR SALE—Barred Plymouth Rock Eggs. Send $3. for 100 fresh, fertile eggs from large stock that score in the 90's. No sick birds in my yards. Clara V. Beardsley. Buckingham, Ill. 2-3

FOR SALE—Fine Buff Cochin and Black Minorca fowls. Eggs in season from following varieties: Buff Cochins, White Cochins, Light Brahmas, Silver Wyandottes, Barred Rocks, Houdan, Black Minorcas and Blue Andalusians. Mrs. James Mann, Fremont Co., Hamburg, Iowa. 2-3

FOR SALE—150 big boned well marked Light Brahmas, Partridge Cochins, and B. P. Rock cockerels. Prices low quality considered. Write for prices. W. T. & S. J. Sayler, New Market, Ind. 2-3

5 EGGS FREE from our S-c. White Leghorns. We breed them exclusively. For particulars write to A. W. Gluesenkamp & Son, Batesville, Ind. 1-3

CLEARANCE SALE—Entire flock of White Rocks. Breeding stock scored from 92 to 95½. Birds shipped on approval. Barred Rocks exclusively hereafter. Write for prices. Harry Thomas, So. Charleston, Ohio. 1-3

CRESCENT DUCK FARM Catalogue free. With valuable information on artificial incubation; all about feeding and rearing ducks and chicks, by an expert. Incubator eggs a specialty. Pekin Ducks, Barred Rocks, White Wyandottes, White and Brown Leghorns, all thoroughbreds and hard to beat. Frank Foy, Box 1001, Des Moines, Ia. 1-3

FOR SALE—400 to select from. Barred and White P. Rock, and White and Buff Leghorn. Write for prices before buying. Eggs in season. Address Edward Wagner, McConnell, Ill. 2-3

FOR SALE—Bargains, prize winning Light Brahmas, Buff Cochins, Buff Barred and White Plymouth Rock, Silver and White Wyandottes, Houdans, M. B. Turkeys. Eggs in season. L. Baird & Co., Eureka, Ill. 2-1

FOR SALE—60 eggs for $3., 15 for $1. Two medicated nest eggs with each order. Golden, White, Silver and Buff Wyandottes, Golden and Silver Spangled Hamburgs, all varieties of Rocks, Leghorns, Minorcas, Polish, Houdans, Light Brahmas, Buff Cochins and Spanish. Indian Games $1. for 13. Poor hatches duplicated at half price. Circulars free. Whitney Bros., Triangle, New York. 2-3

MISCELLANEOUS.

MENKE ROUP CURE—will positively cure roup, especially canker, from 2 to 5 days. 50 cents a package. For sale by Wm. J. Menke 713 N. 13th st., Quincy, Ill. 12 3

SEED SWEET POTATOES—Strawberry, raspberry and blackberry plants, approved varieties for cash, or limited exchange for pure Hamburgs, Leghorns, Andalusians, Toulouse Geese and Ferrets. Peebles, Ihle & Co., Cobden, Ill. 2 3

WANTED

WANTED—We want to sell 15 trios Pekin Ducks, $2.50 per trio for a short time. Also 300 choice pure bred chicks; 14 varieties. Satisfaction guaranteed. Oak Grove Poultry Yards, Platteville, Wis. 9-98-1yr

WANTED.—To trade a new Incubator for a Bone Grinder, outside Brooder or Pekin Ducks. Frank Curyea, Strawn, Ill. 2-3

WANTED—I want to buy one pair goats 2 or three years old, good stock. Belgian hares for sale cheap. Richard Gottschlich, South Haven, Mich., Lock Box 143. 2-1

FOR EXCHANGE

EXCHANGE—Fine white Fantails, Jackobins and Homers, for Barred Plymouth Rock, Black Minorca or White Leghorn pullets. Write at once. W. J. Lincoln, Mt. Pulaski, Ill. 11-3

TO EXCHANGE—I make good harness, will exchange for Black Minorca cockerel. W. Holland Tom, Pekin Ducks or White Wyandottes, Buff Rocks. Must be good stock. J. A. North, Lake Zurich, Ill. 2-3

FOR EXCHANGE—One Bull Dog or Bitch for Buff or White Cochins or pigeons. Pigeons and Buff Cochins for sale. Lumley's Pigeon Loft, 142 Searle st., Pittston, Pa. 2-3

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A few prize winners for sale yet. Also eggs from prize winners at $2.50. Extra fine matings.

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WYANDOTTES—White, Silver and Buff.

Scoring 90 to 94¾ by Hewes and Butterfield, from Tarbox, Knapp, Forsyth and Arnold strains. Circular free. Young and old stock.

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Breeder and shipper of the following:

Light Brahmas, Buff Cochins, Barred Plymouth Rocks, S L. Wyandottes, White and Golden Wyandottes, Black Minorcas, Silver Spangled Hamburgs, R-c. W., R-c. B. and S-c. B. Leghorns, Buff Turkeys. Eggs in season.

Buff & Barred Plymouth Rocks.

From the finest strains and fine bred stock in America. Bred for eggs, size and standard beauty. My birds have won scores of red and blue ribbons at many of the largest shows. Birds for sale at reasonable prices. Eggs, $2 for 15; $3.50 for 30; $5 for 45.

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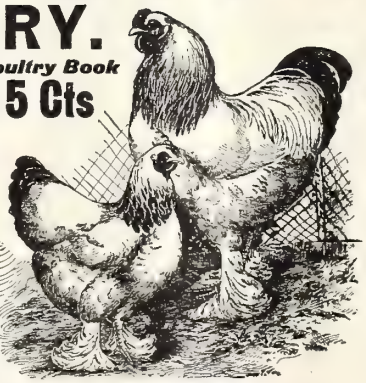

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Box 130, Freeport, Illo.

THE TORONTO EXHIBITION.

Editor American Poultry Journal:

The Toronto show was the exhibition of 1899. It ranks with the Boston Music Hall show of 1865 and the Buffalo show of 1878 in their respective times. The Toronto show in point of numbers and quality was the best, all things considered, that I ever attended or helped to judge. The classes were exceedingly well filled and the prizes went to specimens of a high order of merit.

The Brahmas numbered 76 specimens. The cock that won first was extremely good. There was but little choice between the best three hens. No expert would find fault if either was placed at the front. The first had best comb, wings and tail but poorest neck; the second, poorest wing; the third, poorest comb. The cockerel winning was a bird to assure anyone he was a winner. The second offered little difference. The pullets were a grand lot of birds. The judges had hard work to decide.

The Langshans were a group of fine-colored specimens, as rich in green sheen as I ever saw. The second hen lost first place by being too fat—going over 11 pounds. The first hen was as fine as a pullet in every outline. These were remarkably valuable specimens. The cocks were a trifle better than the young males. The cockerels were unsually free from objectionable marks and even the thirds scored 93½ and better. The class numbered 62, as good as I ever judged. The owners might easily be excused for questioning decisions.

The Cochins—especially the Buffs—were out in good numbers and were all good birds. The Partridges were not quite equal to the Buffs, nor were the Whites.

The American classes were a feature. The Rocks, in three varieties, numbered 220. There were 123 Barred. The queen was a pullet, at 95½. The cock went 93½. The Whites were prevented from winning by slight white in either earlobes. When such cases come to mar good feeling I am ready to subscribe to the following for all breeds: Where earlobes are described, no matter what the breed, cut one-half to 2½ points as foreign color shall taint until one-third its surface is covered; then disqualify.

To allow one American breed to compete, with earlobes nearly covered with foreign color, and to disqualify another for a mere speck, is neither common sense nor justice. Ninety-four points of merit should not be sacrificed to such a rule.

The golden variety shows improvement year by year.

The Black Javas were quite numerous. The Spanish and Minorcas (as always in Canada) were exceedingly fine. I do not think the judges are severe enough on these combs.

The Leghorns showed many fine specimens. The first White cockerel was, to my mind, one of the best in the variety. The Buffs showed a steady gain. The Browns had some nearly perfect colored females.

The Polish were very fine and the Hamburgs were the largest class since Buffalo in 1878. The Houdans, a trifle dark in color, were the best I have seen in ten years. Other breeds were well represented. The Games were a hot class.

The show was an object lesson for all and proves the advancement of poultry culture during the past thirty years on this continent.

I. K. FELCH.

AMERICAN HOUDAN CLUB.

At the annual meeting held in Chicago January 11 the following officers were elected:

President, F. W. McKenzie, Concord, Mich.

First vice-president, D. C. Trew, Lindsay, Ontario.

Second vice-president, F. A. Ramsell, Lorin, Cal.

Third vice-president, C. E. Peterson, Pemaquid, Maine.

Secretary-Treasurer, Thomas F. Rigg, Iowa Falls, Iowa.

Executive committee: James Forsyth, Owego, N. Y.; J. B. Thomas, Jr., Norwalk, Conn.; W. A. Roberts, Kansas City, Kan.; A. Wookey, Peoria, Ill.; N. Nelson, Fort Worth, Texas; S. D. Lance, Troy, Ohio.

Club has now 72 members.

THOMAS F. RIGG.

E. M. Durham, La Plata, Mo., won honors at the recent show in that city on Barred and White Rocks and Buff Wyandottes.

We Will Give

Five Dollars in Gold

to the one who raises the highest scoring cockerel from eggs bought from us. Our **BEST BUFF ROCK BIRDS** are all right and will produce fine stock. Eggs $2 and $3 per 13; $3.75 and $5.50 per 26. Will pay express on all orders of 26 eggs or more. Write for particulars.

BURHANS' BUFF ROCK FARM, Box 394, Seward, Neb.

Indian Runner Ducks.

Wonderfully Prolific.

Are rapid and easy growers. Handsome in appearance. Eggs and stock for sale. Write us.

R. B. & C. H. DAYTON, Box 8, Remsenburg, N. Y.

Dewey's Rocks

Are Again Victorious Admirals.

Do you want breeders that will produce winners? Buy them of Dewey.

100 Barred Rock Cockerels

for sale. Prices right.

BARRED P. ROCKS
BUFF P. ROCKS
BLACK MINORCAS } Our line

South Bend, Ind., Dec. '98, in a class of 109 Barred Rocks, 1st hen, 1st cockerel; also 1st on Black Minorca cockerel.

Detroit, Mich., Jan. '99, in a class of 160 Barred Rocks—1st, 3d hens, 1st pullet and 3d pen; also 2d Black Minorca ckl.

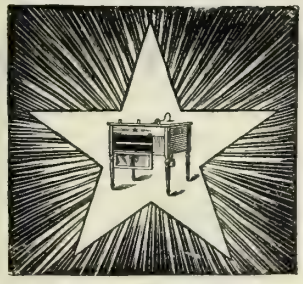
M. BLISS DEWEY,
Concord, Mich.

WHITE SILVER WYANDOTTES

Exclusively and PEKIN DUCKS.

Eggs—$1.50 for 13—Low Price, High Grade. Duck eggs $1 for 11; $7 per hundred. Sixty acres free range. First prize Lancashire S. W. cockerel, imported by Butterfield and recommended by him. 25 Wyandottes from Detroit show, 1st S. W. pullet; 2d W. W. cockerel. In splendid shape.

TAYLOR & HILL, **RAPID RUN POULTRY FARM, Station F., Cincinnati, Ohio.**



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White Cochin Bantams.

At the Joint Chicago Show, Jan. '99,

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First hen, score 95½; first pullet, 94½; second pullet 94½; first cockerel 93½; third cockerel 92; fifth cockerel 89¾. Scored by W. S. Russell. A choice lot of cockerels and pullets for sale. All from the first prize breeding pen at the great Boston show, Jan., 1898.

Eggs in Season, $3 per 13.

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Lincoln Park Poultry Yards,

LUCAS & REILLY, Proprietors.

WHITE PLYMOUTH ROCKS and BUFF WYANDOTTES

Our show record at Hoopston, Ill., Dec. 12-17.—Cockerel 1st and 2d, hen 1st, pullet 1st, 2d, 3d, pen 1st. Buff Wyandottes scoring 90 to 93. White Plymouth Rock cockerels for sale with score cards. No Buff for sale. Eggs and stock for sale. Address

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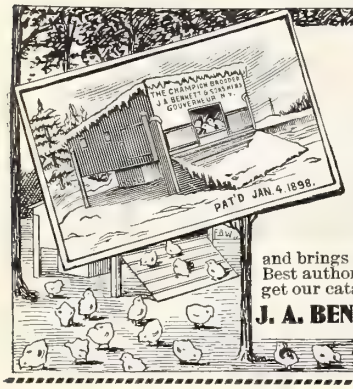

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they would have come through all right.

"The Champion Is Known by Its Work"

and brings its brood successfully through, even in zero weather. Best authorities say it is perfect. Don't buy a brooder until you get our catalogue and endorsements.

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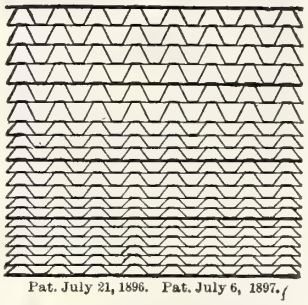

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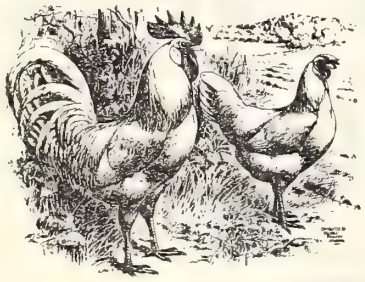

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America's Business Hen.

Have been carefully bred and improved for the past 18 years regardless of expense and on the strictest application of the true principals of Leghorn breeding, with a result that fully justifies their acknowledgment everywhere as the World's Greatest Laying strain of S-c. W. Leghorns, combined with the highest degree of excellence in Standard qualities, size and vigor and layers of large, white, perfectly shaped eggs that command the highest premium in the finest city markets. Hundreds of unsolicited testimonials recently received from customers in all parts of the country, testify not only to their superior laying qualities but also to the many victories and high scores awarded them in the show rooms. Good breeding stock in early cockerels and 1897 hatched hens yet for sale. Eggs for hatching from my choicest selections and matings only, the cream of our 1,200 carefully bred birds. No close inbreeding ever practiced in my yards.

Eggs $2.00 per 15, $3.75 per 30, $5.00 per 45, $10.00 per 100.

Large illustrated and descriptive circular free. Address

C. H. WYCKOFF,

Box 314, Groton, N. Y.

THE BOSTON SHOW.

The distribution of honors, cash and cups, by the Boston management for 1899 spread great delight among the fancy. That all may know how valuable these distributions are we give a list of regular and cash prizes as offered by them this winter:

For poultry in open classes	$2,681
For poultry in exhibition pens	763
For ornamental exhibition pens	1,095
For cats in exhibition pens	162
For pet stock	171
For cage birds	84
For dressed poltry	291
For eggs	44
Cash special on Brahmas	155
Cash specials on Cochins	100
Cash specials on Langshans	30
Cash special on W. Wonders	10
Cash specials on Plymouth Rocks	169
Cash specials on Wyandottes	189
Cash specials on Mediterranean	230
Cash specials on Polish	25
Cash specials on English	50
Cash specials on Hamburgs	105
Cash specials on Games and Game Bantams	127
Cash specials on other Games	20
Cash specials on Water Fowls and Turkeys	65
Cash specials on Ornamental Bantams	126
Cash specials on Pigeons	226
Total	$6,918

In addition to the above cash prizes many valuable cups were given in various classes. No wonder the breeders flock to Boston with their best when such opportunities offer for both the winning of money and undisputed honors.

For the placing of the awards twenty-eight judges were employed. They came from eight different States and Canada, each an expert on the classes he passed upon and fully qualified to select the best. All awards were made, the ribbons placed on the coops, and marked catalogues on sale within thirty hours from opening the show, fully proving the ability of the management to handle the larger display ever made in the most satisfactory manner.

The interior of the mammoth main floor of Mechanics Building, covering as it does a block, was beautifully arranged; the long rows of Spratt's open coops, the large display pens and breeding yards so tastefully placed, just where they might best attract; here and there a miniature poultry yard, or a breeder house, giving evidence of a masterly hand as the guiding spirit in the placing of the whole display. To Mr. T. Farrar Rackham, the able superintendent, must be given the majority of the credit for this model placing of the great mass of live stock and appliances within the hall, allowing due proportion to his department superintendents, who did their part to perfection.

To Mr. Arthur R. Sharp, more than to any other man, is due the great success of the Boston Show. His energy has no limit; his ability no equal in the handling of the enterprise, backed as he is in all movements by his associates, the organization is one of the strongest in the world.

The following tells of the great display, in detail:

	Entries.
Poultry in open classes	1,861
Poultry in breeding pens	855
Pigeon in open classes	1,724
Pigenons in display pens	437
Cats and pet stock	266
Cage birds	40
Dressed poultry and eggs	447
Other entries	146
Making a grand total of	5,776

The quality of the stock in the exhibit far excells any display ever made. Quality and condition are in sight on every side and the blue and red well placed in all classes. The entire show was judged before dark on Tuesday afternoon, and the ribbons were placed Wednesday morning. The weather was beautiful and a large number of people were present throughout the hall both afternoon and evening.

The Asiatic classes contained 453 of the best typical birds we have seen. Never have we seen such grand shape, finish and color on any lot of Brahams, the darks fully equal to the lights in both size and color. The Cochins of all varieties made one look in astonishment at their shape, color and quantity of feath-

er. The Langshans almost beggar description.

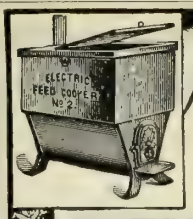
In Light Brahams Oakland Farm won nineteen regular and special ribbons with a grand string of birds. Rollins Brothers about the same. Bumford of Waltham, and Charles A. Wheeler and others won a few minor ribbons. In Dark Brahmas H. A. Mansfield, Philander Williams, Wm. McNeil and T. H. Terry divided the honors. Mr. Thomas Perrine of Ohio got 3rd on cockerel.

Buff Cochins, as usual, were very strong at this show, the most superb lot as to Cochin qualities ever placed in a show, were the forty birds shown by Oakland Farm. They are surely the best lot in the whole world. Mr. W. C. Baylies of Taunton, Mass., has made great improvement in his Partridge Cochins. The thirty females shown by him have the most perfect shape, color and pencilling. Mr. Crowinshield won three ribbons in this class; Mr. Wetmore, one. All the balance of the honors went to Mr. Baylies, who won all on females.

In Black Cochins, the Hon. David A. Nichols, of Monroe, Conn.; A. E. Swasey of Taunton, and Albert Lewis of Fall River, divided the ribbons. Mr. Swasey had a good display of old birds; Mr. Nichols the best young ones. In the White, Cochins that are Cochins, competed for the honors. Grand size and color were present. Messrs. McNeil and Williams pushed hard for supremacy over the Brooks and Wild birds. A better lot are seldom seen; and surely in no other place than at Boston. The Black Langshans were fine. Mr. B. T. Gibson, Nashua, N. H.; Mr. Lovett of Ware, Mass.; Mr. Moore of Stoneham, Mass.; Remington of Greenville, R. T.; A. B. Yeaton of Stoneham; Brtohold and Longfellow of Saugus, Mass., and Beatty Brothers of Lawrence, Mass., drew cuts as to who should have a little the best of it. A few White Langshans shown by Mr. G. P. Coffin of Freeport, Me., and Mr. W. A. Smith, of Whitney's Point, N. Y.

The Plymouth Rock class were grand. In Barred, Wm. Ellory Bright, C. H. Latham, Mr. Yeaton, Carvery and Gurney divided the major portion of the prizes. Cheever Brothers of Melrose Heights, Mass., won first on pullets, their only entry. This was a grand display of fine birds. While Rocks of the right shape and color filled a long row of coops; but few poor ones. Many of excellent quality did not have a ribbon. B. D. Miller of Petebro, N. Y., first cock and hen; Fillebrown of Ayre, Mass., first cockerel; Edw. Riedel, Easthampton, Mass., first pullet; the others went to Messrs. Howland and Whitney, Rankin Brothers, N. A. Nourse, H. R. Hayden, Jr., and others; 39 prizes going to almost as many breeders, it was no man's walkover. Buff Plymouth Rocks of wonderful quality as to shape and color to the number of 54 in the open class. James Forsyth of Owego, N. Y., first pullet a corker. A. C. Hawkins had a string of most superb quality. H. W. Higgins of Orange, Mass., strong in old birds. The above won the principal honors on these birds, leaving a few minor ribbons for Messrs. Frank Woodbury of Beverly, Mass., Wm. J. Walsh of Lenox, Mass., and C. W. Beman, of Port Durham, N. Y. Silver Wyandottes were a good display. The first pullet of Wood and Freeman, Fitchburgh, Mass., is the finest yet shown. The awards on these were so scattered, time will not permit mention of all. The Goldens, many very fine ones were shown by a number of breeders. The color of the females superb.

White Wyandottes so fine in form and pure in plumage one could admit them as pure white, filled many coops outside the award line. Fifty-seven awards were made to some 20 exhibitors. The firsts and seconds went to Arthur G. Duston, J. W. Andrews, Dighton, Mass.; T. H. Fuller, Honesdale, N. H.; C. F. A. Smith, Waltham, Mass. For other honors the printed list must be consulted. In Buff Wyandottes great quality was seen. The true shape and buff color were there. Firsts and seconds were divided between R. B. Robbins, Cambridge, N. Y.; King and Whiting, Plaineville, Mass.; Frank Dutcher, Hopedale, Mass.; C. S. Mattison, South Shaftsburgh, Vt., and James Forsyth of Owego, N. Y. A few Javas and American Domineques were shown. The display of Rhode Island Reds made by Samuel Cushman of Pawtucket, and Fred. B. Cochran, East Summerville,



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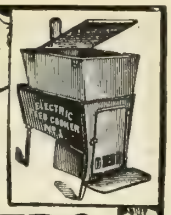

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You Have Heard of Our S-c. Brown Leghorns

winning at Indianapolis for the past 10 years in the hottest of competition. We won the following the winter of '97-'98. 2d and 3d hens 94½, 94; 1st and 3d cockerels, 95½ and 94½; pullets, 1st, 2d, 3d, 95½, 95, 95; pens, 1st and 2d, 190½, 188 7-16; also $40 special for best exhibit of Brown Leghorns.

OUR BUFF ROCKS won 2d cockerel, 1st, 2d and 3d pullets and 1st pen. **OUR BARRED ROCKS**

are from prize winners and way up in size and color. A whole lot of cockerels from the above for sale, the price is right for the quality. Can give score by B. N. Pierce after Feb. 1st. Write me early. **EGGS IN SEASON.** When writing mention American Poultry Journal.

ED. B. MURPHY, Box B., Carmel, Ind.

Are Eggs from these White Plymouth Rocks Good Enough for You?

WHAT DO YOU THINK OF THIS RECORD?

At New Albany, Ind., Jan. 1899, in hot competition, Felch, judge, I won 1st, 2d, 3d cockerel; 1st, 2d, 3d hen; 1st, 2d, 3d pullet; 1st, 2d, 3d pen; 2d and 3d cock. 21 prizes out of a possible 23. My first pullet scored 96½ and won special offered for highest scoring bird in show all varieties competing. Nearly 1,000 birds in the show.

AT CHICAGO I won more prizes in proportion to the number of birds entered than any other exhibitor. My customers will get eggs this season from a pen headed by a 95½ cockerel and made up of females scoring from 94 to 96½.

FRANK HECK, New Albany, Ind.

Sec'y. and Treas. American White Plymouth Rock Club.

At the Chicago Show

We Won on

Silver Wyandottes,

Cock first, third and fourth; hen first and fourth; cockerel first and fourth; pullet fourth; hen second and third; lost first on pen by error of clerk in copying scores into book. Also highest scoring bird in class 93½.

Buff Wyandottes,

Third cock, fourth hen, first pullet, third pen. This with our record of three firsts at the World's Fair, and Silver cups and numerous other premiums at the Missouri State and Kansas City shows proves that our stock is excelled by none. 200 head of cockerels and pullets, part with score cards, for sale. Also 150 head of cocks and hens (yearlings), part with score cards, at reduced prices for the next 30 days. Remember that we do not sell eggs, but can always furnish you single birds, pairs, trios and breeding pens. We have never bred for the Spangled bar and can furnish cockerels and cocks with the laced bar. Feed your breeding stock and chicks on Spratt's Patent Poultry Meal. Write for prices. Clover meal for sale. Write your wants and we will send circuler and prices.

North Side Poultry Yards,

A. & E. TARBOX, Yorkville, Ill.

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This is Another Year!

We are with the A. P. J. and shall have the satisfaction of offering its readers

Our White Wyandottes,

which are Better than Ever before.

We have a large quantity of choice breeders on hand, males and females, Will carefully mate up trios, and pens of any size for next season's breeding. Although we have improved our whole flock materially we shall continue, THIS ONE SEASON ONLY, to sell eggs for same price as last, $3 per sitting; 4 sittings $10; $15 per 100.

ARTHUR G. DUSTON,

☞ Box 1020. Marlboro, Mass.

Adirondack **BLACK MINORCAS.** Exclusively.

My Minorcas have a show record at **MADISON SQUARE GARDEN**, and elsewhere, which is proof of high quality. They are also bred for layers. **IT IS NOT TOO EARLY TO PLACE YOUR ORDER** for **EGGS** from my best prize matings, **BRED IN LINE**, at $3 for 13; $5 for 26; or $10 for 65 **EGGS**. My Minorcas are noted for size, type and color Mention A. P. J. and get circular.

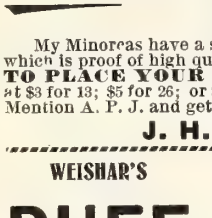
J. H. DOANE, Lock Box D, Gouverneur, N. Y.

WEISHAR'S **A Bargain.**

BUFF Plymouth Rocks.

75 Solid Buff Plymouth Rock cockerels for sale, $3 each. They are from my prize winners. Look up my show records. Have won every time I have shown my stock. Am booking orders now for eggs for early shipment, $3 per 13; $5 per 26. Cockerels in my pens score 93½ to 95; pullets score 91¾ to 94.

W. H. WEISHAR, 71 Stephenson st., Freeport, Ill.



BUCKEYE FARM, AUSTINBURG, OHIO. Box 140.

My breeders this season are by far the finest I ever owned. Ten grand yards now mated, of those GOLDEN BUFFS, scoring 90 to 94.

WHY NOT WIN ON BUFFS?

YOU CAN WITH MY STOCK.

Feel as though you ought to receive your money's worth when you buy? Then send me your egg orders. They're $2 per 15; eight chicks guaranteed

E. A. PHELPS, Prop.

Buff P. Rocks

Gold Coin Strain,

Again Win.

Seven premiums on 10 entries at the Great Bloomington show. If you want good size, good color and the best of layers, try a sitting of eggs from this noted strain. Single sitting $3; two sittings $5. These prizes were not won years ago, but this year, by my own bred and raised stock.

Address **ISRAEL ROOT, Bloomington, Ill.**

Now is the Time

to buy good breeding stock for the coming season.

It will be greatly to your interest to write and get our prices before you buy. We have a fine lot of Houdans, W. P. Rocks, B. P. Rocks and W. Wyandottes to select from. Our prices are low for quality of stock. Your money back if you are not satisfied. We ship at lowe t rates possible. Can be be of any use to you?

OLD HONESTY POULTRY YARDS,

Rockford, Ohio.

A. J. BARGAHISER: Prop.

A. H. HANDY, Vanndale, Arkansas,

BARRED PLYMOUTH ROCKS, Only. WRITE ME YOUR WANTS.

A few choice cockerels for sale. Also eggs in season, $2 per 13.

Mass., attracted much attention; they were about the size of a Buff Rock and looked like them somewhat, only that they are red with black points.

S. C. Brown Leghorns, very good. First and seconds went to W. Theo. Wiltman, Allentown, Pa.; Tenney and Harrington, West Newton, Mass.; Wm. Ellery Bright of Waltham, Mass., Rose Comb Leghorns good. All awards were divided between James Forsythe of Owego, N. Y.; A. W. Smith, Whitney's Point, N. Y.; W. W. Kulp, Pottstown, Pa.; Geo. B. Inches, North Grafton, Mass.; Geo. A. Knight, and W. G. Fronheiser, of Pottstown.

S. C. White Leghorns, not a large class. The honors went to some superb birds owned by Elm Poultry Yards, Hartford, Conn. W. J. Blanchard, Chicopee, Mass., C. H. Annabel, Danvers, Mass.; Chas. M. Abbott, Watertown, Mass. In Rose Comb Whites, some beauties were shown by Forsyth, Smith of Elmira, N. Y., Smith of Whitney Point, N. Y.; Wilson of Spence, Mass., and Ross of Schenectady. The Buffs, a grand lot. Bache of Bound Brook, N. J.; Root and Gorham, Lenox, Mass., R. G. Buffington of Fall River, and Justin W. Denison of Mystic Cones made a nice even divide of honors. All have beautiful birds.

Black Minorcas as fine as silk and up-to-date won the blue and red. J. B. Thomas of Norwalk, Conn., C. J. and W. H. Poch of Braintree, Mass.; John H. Starin, Fultonville, N. Y.; Howard and Bradford, Melrose, Mass.; Charles A. Thompson, Melrose, Conn.; Geo. B. Dexter, Everett, Mass.; Harry B. Knox, Melrose, Mass.; Elm Poultry Yards, Hulford, Conn., won the honors on good specimens. White Minorcas and Blue Andalusians good classes. Charles A. Thompson of Melrose, Conn., and W. A. Smith of Whitney's Point won all on White Minorcas. In Andalusians, Mr. John T. Moon, Jr., of Boston; Grey's Poultry Yards, Auburn, N. Y.; A. C. Keyser, Lower Providence, Pa., and Robert W. Lovette, Boston, should win the prizes. Black Spanish, sixty birds. A good lot, all. Awards to C. A. Shaw, Middleboro, Mass., and Albert Swasey, Taunton, Mass.

Wm. McNeil of Canada showed the most superb colection of Polish of all kinds. Wonders in crest and color. Mr. James E. Connor of Larchmont, N. Y., also had some good ones.

Would that time and space would allow me to tell of the wonderful lot of Hamburgs individually, over one hundred of them. The Golden Spangled shown by John Lowell of Chestnut Hills, Mass.; Stofford of Pawtucket, R. I., and the Silvers by Mr. F. W. Lee and S. H. Fessmdon of Chestnut Hills and Robert Treat Paine, Jr., of Boston; the Pencilled varieties shown by the same men, and all kinds by McNeil of Canada. The Wonders in Hamburg varieties were shown in Blacks. So many grand ones were shown we must ask you to look at the list of awards for them. Red Caps by Messrs. Woodman and Cutter.

Houdans a good lot. So were the other French breeds. Mr. Henry Hales of Ridgewood, N. J.; Geo. B. Inches, West Grafton, Mass.; Watson Westfall, Sayre, Pa., and McNeil of Canada, came with their Dorkings, and a grand lot they were. The ribbons were so nicely divided among them one could prefer either were the other away.

Standard Exhibition Games showed by Pierce Bros. of Winchester, N. H., the grades let out for years, four varieties showed by them. All of very high quality. Some good birds shown by G. H. Clarke, Northampton, Mass.; W. D. H. Warfield, Sykesville, Md. Indian Games, Kenzie of New Holland, Pa.; Kerby of Providence, R. I.; Wolf of Bloomfield, N. J.; Bonham Poultry Yards, Bonham, Texas; Warfield of Sykesville, Md.; Vaughn, Worcester, Mass.; Harrington of Boston and McNair of Wilmington, Del.; all had good ones and won their share of ribbons.

Sumatras, Ermanettes, Silky, Frizzle, Rumpless, Orpingtons and Pet Games made up other variety classes. Ducks, geese, turkeys would make a report of their own. Hundreds of them came to Boston, of the best in the world. One should mention the beautiful display of Decoy ducks from the stock of Mrs. Walter C. Bayliss, of Taunton. Also the geese of Cushman and Polland.

Bantams at Boston means all that is fine. The best of the land come here. Messrs. Pune Bros. of Winchester, N. H.; B. C. Thornton of So. Vineland, N. J.; C. H. Colburn of Manchester, N. H.; H. W. Haskel, Brooklyn, N. Y., and Clemens

of Newburyport, Mass., showed such quality in Game Bantems that even A. A. Parker, as judge must think many times before the ribbons are placed. This lot of Game Bantams of all kinds were quality in the extreme.

Sebright Bantams shown by W. E. Cox of Chestnut Hills, Philander Williams of Taunton, ,Mass.; McNeil of Canada; Fruchler of Pennsylvania, and D. A. Nichols of Monroe, Conn., all claiming their full share of the honors. In Rose Comb, McNeil and Cutting won the honors. In Booted Japanese of all kinds, McNeil won the honors.

Cochin Bantams by the hundred. Buff, Black and White. In Blacks, Philander Williams did well, as did McNeil, in all varieties. Hepburn of Queens, L. I., had a fine white pullet. In Buffs they came from so many yards, space will not permit us to mention all. The first and second in Buff Cochin Bantams went to Fox of Taunton, Brown of Brockton, McNeil of Canada, and Hadley of Marion, Mass.

In Partridge Cochin Bantams, T. F. McGrew of 1267 Broadway, New York City, won all first, second and specials in the open class. W. C. Baylies of Taunton, won in pen. There were over 200 breeding pens and display coops. The most attractive of these contained Bantams from Long Acre Poultry Yards of Taunton, Mass. Birds of the highest quality were in these coops for display only, not for competition.

WASHINGTON, D. C., SHOW.

The Armory Building, at the Capitol, was not large enough to conveniently accommodate the very extensive exhibit gathered there the week of January 10th. The management looked for a good number of entries, but no one thought it would be necessary to double tier the coops to meet the need of the hour.

The management, ever watchful of the best interests of their exhibitors, outdid themselves in their courteous attention to every want; here, there and everywhere they seemed to be every moment.

The Barred Rocks, as usual, called together the champions of the East. Mr. A. E. Warner was the only one who captured two first, best cockerel and breeding pen. Mr. W. E. Bright captured the largest number of ribbons in these classes, with a grand lot of birds. Upland Poultry Yards next. Mr. Bright's cockerels and pullets specially fine. In Buff Rocks, F. G. Bean won the firsts, M. H. Loner the other two. Mr. Bean had a grand string of birds, both Buff and White Rocks, winning the lion's share in both varieties. Mr. D. L. Stauffer won all in sight on Silver Wyandottes.

Dorkings and Games, as usual here, are of the best. Many fine standard bred specimens of the latter divided attention with their cousins of the pit, the southern clime being conducive to the sport.

The Mediterranean classes beamed with quality; Brown Leghorns that fully met all the demands of the standard; in numbers the twenty ribbons were divided among a number of fanciers, no one exhibitor distancing the field. Black Leghorns a fine display. White Leghorns, both single and rose combs in goodly number. Great interest was displayed by all in the exhibit of Buff Leghorns. Mr. L. S. Bache of Bound Brook, New Jersey, won three firsts, four seconds and other smaller prizes with birds of quality and color. F. S. Bean had a fine display of Silver Duckwing Leghorns.

In Asiatics, John L. Cost of Hagerstown won everything in sight on Light Brahmas. In Buff Cochins, Elmwood Farm of Weston, New Jersey, divided the ribbons with Lynhurst Poultry Yards, only three of the twenty ribbons going to others. In Partridge Cochins, Elmwood Farm, Lynnhurst, and Upland Poultry Yards divided the honors.

The fine display of White and Buff Wyandottes attracted the attention of all. The awards were divided among so many one must consult the list of awards for the winners.

One of the most attractive exhibits of the show was the Game Bantams shown by Mr. B. C. Thornton of South Vineland, New Jersey; their quality so fine one could not help being attracted to them. Geo. Corson and Belmont Farm showed some good Bantams also. The Bantam Classes at Washington this time were full of quality, Messrs. J. F. Kirkpatric and S. T. Curry being strong in Cochin Bantams; H. A. Munson of Washington on Sebrights. The Polish classes were well represented as to quality, numbers lacking from four to six of each variety shown by Belmont Farm and H. A. Munson.

Black Minorcas, as usual at this show,

White Wyandottes--Pit Games.

We breed Duston and Knapp Wyandottes and Graves, Grist and Rossiter strains of steel tested games. A square deal and a fair hatch guaranteed. **EGGS $2 PER SITTING.**

BROWNE & MANN, 428 N. 53d st., Austin, Ill.

Esler's S-c. Brown Leghorns

Again win with scores from 93 to 94½ at Portland, 1st and 2d cockerel, 1st and 2d pullet, 2d and 3d hen, 2d cock. At Lansing, 1st pen, 1st cockerel, 1st pullet, 1st hen, 2d and 3d cock. At Detroit, 2d cockerel, 2d pullet. Same birds scored 1 to 1½ points less in Detroit than at Lansing week before by same judge (Bridge). *Fire Sale of Exhibition and Breeding Stock for 30 days.* Nothing in our yards scoring less than 92 points. We need the money and will sell singles, pairs or trios, at one-half former price. Write quick before we mate our pens for another season and get your choice from over a hundred winners. *We guarantee satisfaction.*

CHAS. K. ESLER & SONS, Lansing, Mich.

Rose-comb Br. Leghorns.

PRIZE WINNERS AT CHICAGO 1898-99.

If you are looking for that rich brilliant red color and the distinct black stripe in hackle, back and saddle, and want your egg basket filled every day in the year, send for a sitting of eggs, I will guarantee you satisfaction. Eggs $1.50 per sitting.

GEO. STAHMER, Oak Park, Ill.

Bargains in Barred P. Rocks

If taken within 30 Days.

Two cockerels shown in Chicago; grand breeding birds, $8.00 and $6 00. Three pullet bred cockerels, good ones, $3.00 each; one yearling cock, pullet bred, sire of our this year's pullets, $3.00; 15 cockerels, good breeders, $1.50 to $2.00 each. One 90½-point cockerel $3.00.

MYER BROS., Malden, Ill.

Heimberger's Black Langshans

have again proven their superiority. At New Albany Show, Jan. 99, I. K. Felch, judge—1st, 2d and 3d, cockerels score, 96, 95, 95, 1st and 2d; hens score 95, 95; eight pullets scoring 95 each; 1st and 2d pens score 191 and 189¾.

SILVER CUP. VALUE $25.00.

for highest scoring pen in show, all varieties competing. Stock for sale. Eggs from these winners $3 per 13. Good results guaranteed. Address

ADAM HEIMBERGER, New Albany, Ind.

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Stuckey's Buff Rocks

Are ***birds of highest quality,*** also ***prize winners*** and high scoring and mated to produce best results.

Fancy Buff Leghorns.

Popular strains. ***No better East or West*** than some of my ***prize-winners.*** ***White Rox*** of rare quality. Plenty of eggs after March 1st from vigorous farm range birds. Send for circular before ordering.

C. J. STUCKEY, Mechanicsburg, Ohio.

REV. E. W. RANKIN. DR. H. L. BANZHAF.

Buff Cochins.

In '98 we won 1st on pullet in class of 39. We did not show this year, but have furnished winners at big shows, East and West, including Chicago. Some birds for sale at reasonable prices. G. L. M. Atkinson, of Denver, Colo., also has fine Buff Cochins.

E. W. RANKIN, Manitowoc, Wis.

Parsons Won

at the Great Chicago Joint Show

in Buff Leghorns—2d and 5th pullet; 3d pen, scores to 95.

Also breed Blue Andalusians, Barred and Buff Rocks, Pekin Ducks. Dealer in Poultry Supplies. Stock for sale, $1 up. Eggs, $1.50 and $2 per 15. Send for circular.

B. F. PARSONS, Edwardsburg, Mich.

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We won five firsts, two seconds, two thirds and one fifth on our

Buff Rocks and Black Leghorns.

For years they have been the leading winners at Chicago as well as other large shows. We have nothing to give away, or sell at half price, but we have a whole lot of nice birds at reasonable prices and would be pleased to hear your wants.

No Rock eggs for sale this season.

RIVERSIDE POULTRY YARDS, Algonquin, Ill.

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A Record Never Beaten in Michigan:

At State Poultry Exhibit, Detroit, Jan., 1899, 1st on B. P. Rock ckl., 93, by Russell. Won silver cup in B. P. Rock Club for best cockerel.

Record at State Poultry Exhibit, Jackson, 1896.

1st on breeding pen B. P. Rocks, score				186¼
1st on cockerel	"	"	"	94
1st on hen	"	"	"	93
3d on pullet	"	"	"	93

Sharp Butterfield, judge.

OAK LAWN POULTRY FARM,

C. W. MANSFIELD, Prop., Ypsilanti, Mich.

Breeder of Superfine

Barred Plymouth Rocks and Single-comb Brown Leghorns.

Birds and eggs for sale in season.

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Hardy Poultry Grown in Minnesota that will stand any climate.

Barred Plymouth Rocks, R-c. Brown and White Leghorns, Light Light Brahmas, Mam. Bronze Turkeys, Pekin Ducks.

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A. A. GRAY, Box A. 347, Redwood Falls, Minn.

Damon's Wonderful Record at Chicago.

Ten Ribbons on Eleven Brown Leghorns

1st pen; 1st and 2d cock; 1st and 2d cockerel; 2d and 3d hen; 3d, 4th and 5th pullet.
I also won 3d cockerel and 4th cock in the

Strongest class of* BARRED ROCKS *Ever Exhibted in

the West, if not in the world. At the recent ***WEST LIBERTY, IOWA, SHOW*** I won eleven ribbons and the Des Moines Incubator Co. special for the largest number of birds scoring 90 points and over. A lot of high scoring show birds and some cracking good breeders for sale. My yards are mated up with a prize winner at the head of each.

EGGS, $2 and $3 per Sitting.

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CRESCENT'S S.C.B.LEGHORNS

FRANCIS P. CRESCENT, Mngr.,

1532, 23d st., Milwaukee, Wisconsin.

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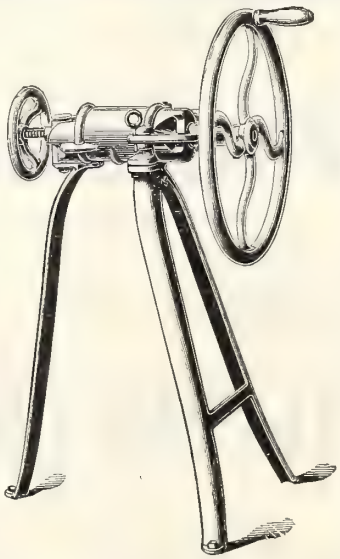

That is one of the reasons why it is easier to operate than all others. Another reason is that the knives work on the shear plate principle. They **REALLY CUT** the bone; they don't gouge it off in chunks. Cuts all kinds of GREEN and DRY BONE, HARD, SOFT, FLESHY, etc., and *Never Chokes.*

It Needs No Cleaning. It Cleans Itself.

Our free circular tells all about it. Don't buy a bone cutter until you see them.

W. J. ADAM, Joliet, Illinois.

Buff P. Rocks, Sing e and Rose-comb Buff Leghorns; my own "ORANGE STRAIN" exhibition and breeding birds now for sale at right prices. Write,
L. B. HANNA, Columbus City, Iowa.

very fine. Mr. J. M. Allen helped himself to all the blue ribbons but one and divided the reds with Mr. Blanton. All the winners are looking towards New York for the first of February. Belmont Farm and C. W. Jerome showed some good White Minorcas.

Dr. Wood, of the Capitol City, made a most wonderful exhibit of Sumatra Games. No one has such birds of this build as he; truly beautiful and ornamental. Lynhurst Poultry Yards won all in White Cochins.

Black Spanish and the French varieties all good classes; not large, but of the best. The major part of these also of the Dorking classes came from Belmont Farm, who show many varieties all in fine condition.

Turkeys, Ducks and Geese fairly well represented. No pigeons admitted for lack of room for their accommodation. The judging very satisfactorily done and the whole occasion one of credit to the association.

Mr. Randolph of Weston, New Jersey, who cooped and managed the Superintendent's department, did wonders under the circumstances to coop in such good order so many birds in the limited space. His former experience was of value to all. The Society own their coops and they are of a beautiful design.

T. F. McGREW.

1267 Broadway, New York City.

GAME CLUB MEETING.

The Chicago meet of the Game Club is over and a most grand meet it was. Altogether over 100 Exhibition Game and Game Bantams were shown, including those exhibited by non-club members.

There was keen competition all along the line and the scores were very close.

The club specials were won as follows: $5 for the best cock of any variety, J. C. Pratt, agent, of La Grange, Ill., with a Black Red; $2.50 for second best cock of any variety, T. J. Price of Oskaloosa, Iowa, with a Silver Duckwing; $5 for best hen of any variety, T. J. Price, with B. B. R.; $2.50 for second best hen of any variety, J. C. Pratt, agent, with a B. B. R.; $5 for best cockerel of any variety, Eli Hailey of Detroit, Mich., with a Red Pyle; $2.50 for second best cockerel of any variety, T. J. Price, with a Silver Duckwing; $5 for best and $2.50 for second best pullet of any variety, both to A. E. Brown of Morgan Park, Ill., with Black Reds; $5 for five highest scoring birds of one variety, J. C. Pratt, agent, with B. B. R.; $5 for highest scoring cock, cockerel, hen and pullet, of one variety, scoring highest total number of points, J. C. Pratt, agent, with B. B. R.; $10 chair for largest exhibit of one variety, none scoring under 90 points to compete, J. C. Pratt, agent, with B. B. R.; $5 each for best male and female Game Bantams, both to A. E. Brown, with B. B. R.; $2.50 each for highest scoring male and female Birchen Game Bantams, McKee and Jones, Des Moines, Iowa; $2 for best Red Pyle pullet, A. E. Brown.

The regular club meeting was held Thursday evening and was an enthusiastic one. The following members were present either in person or by proxy: W. E. Hamilton, Odebolt, Iowa; W. E. Walden, Hartford, Mich.; G. W. Rhodes, Aurora, Ill.; A. E. Brown, Morgan Park, Ill.; N. M. Johnson, Chicago, Ill.; F. C. Wright, Cincinnati, Ohio; H. D. Lane, Indianapolis, Ind.; A. E. Blunck, Johnstown, N. Y.; W. W. Carney, Leavenworth, Kan.; L. H. Fuller, Chicago, Ill.; H. M. Jones, Des Moines, Iowa; F. W. Brown, Elkhorn, Wis.; T. J. Price, Oskaloosa, Iowa; W. W. Withee, La Crosse, Wis.; John W. Hawley, Springfield, Ill.; J. C. Pratt, Chicago.

The election of officers resulted as follows: President and director, W. E. Waldon; first vice-president, T. J. Price; second vice-president, A. E. Brown; secretary and treasurer and director, J. C. Pratt; additional directors, G. W. Rhodes, D. C. Buckstaff and H. D. Lane. After the regular business of the club had been transacted the future policy and needs of the club were fully discussed and many plans were laid for pushing the club and advancing its interests. This club is going to be one of the greatest in the country and it behooves all Game and Game Bantam breeders to join at once and help swell the membership.

After a pleasant and profitable evening the meeting was adjourned. It was decided to hold the next meeting and exhibition at such a time and place as the board of directors might select.

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Langshans score to 95½; Brahmas to 94. We have won prizes wherever shown. Look up our show record. Have good birds for sale at all times. Eggs in season. Prices reasonable. Send for circular. KIRKPATRICK & GUNDLACK, P. O. Box 326, Lincoln, Ill.

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Utility being our aim. Orders booked now. Michael K. Boyer, Hammonton, Atlantic Co., N. J.

AMERICAN POULTRY ASSOCIATION.

At the twenty-third annual meeting of the American Poultry Association, held in Toronto, Ontario, Canada, Jan. 10, 1899, the following changes were ordered in the present standard:

Under Instructions to Judges on page 3, in the section "To the Various Poultry Associations," insert the following recommendation between the paragraphs, viz:—"It is further recommended that a pen to win a first prize shall not score less than 180 points with no specimen in the pen scoring less than 88; to win a second prize, the pen shall not score less than 178 points with no specimen in the pen scoring less than 87; to win a third prize, the pen shall not score less than 175 points, with no specimen in the pen scoring less than 86."

Add to "General Disqualifications" on page 4, "White in the face of all Leghorn cockerels and pullets, excepting Buff Leghorns."

"Black in the bean of all white ducks."

Under Plymouth Rocks on page 16: Eye of male to read "medium."

The description of Wattles and Ear-lobes to read "Ear-lobes of medium size and of fine texture; wattles moderately rounded and of equal length.

Page 18—Under "Back" make the word "stripe" read "striping."

Page 40 and 43—Add "Vulture hocks" to the disqualifications of Light and Dark Brahmas.

Under Brown Leghorns on page 64—First sentence of disqualifications to read "Red, covering more than one half of the surface of the ear-lobes in cockerels and pullets."

Omit the words "or gray" in third sentence, and place a semicolon after the word "saddle" at end of 4th line.

Page 65—Under "beak" insert the word "light" before "brown" in place of the present comma in first line.

Under "Tail" describe the color of coverts as "same color as described in back."

Page 96 and 97—Color of eye in S. S. Hamburgs to read "Dark bay."

Page 131—Color of "Beak" in Golding D. Game female to read "Horn color" omitting the words "either light or dark."

Page 153—Black Sumatras insert:

Comb.—"Pea, small and low in front." Under "Shape of male."

Page 156—Insert "weight" in the scale of points, with a value of 4, and deduct 2 points each from "Comb" and "Wattles and Ear-lobes."

Under disqualifications of all white ducks, insert the words "see general disqualifications."

Page 165 — Ear-lobes should read "white."

Page 220—Last sentence of Disqualifications of Black East Indian ducks, to read, "White in any part of the plumage."

Page 229—Color of Toulouse head to read "Gray."

Page 215—Cayuga Duck "Bill-Black."

The annual election resulted in the choice of the following officers for 1899:

President—Allan Bogue, London, Ont.

Vice presidents—H. S. Babcock, Providence, R. I.; Dr. H. A. Munson, Washington, D. C.; F. J. Marshall, Middleton, O.; A. F. Pierce, Winchester, N. H.; Geo. V. Fletcher, Belmont, Mass.; T. W. Killingsworth, Augusta, Ga.; A. E. Olshausen, Los Angeles, Cal.; Geo. T. Pitkin, Chicago, Ill.; B. N. Pierce, Indianapolis, Ind.; C. H. Wells, Stratford, Conn.; F. W. Hitchcock, Denver, Col.; J. Y. Bicknell, Buffalo, N. Y.; T. Alwyn Ball, Summerville, S. C.; Geo. G. McCormick, London, Ont.; August D. Arnold, Dillsburg, Pa.

Secretary and treasurer—H. A. Bridge, Columbus, O., after July 1, 1899.

Advisory board—I. K. Felch, D. A. Nichols, Monroe, Conn.; Sid Conger, Flat Rock, Ind.; G. O. Brown, Baltimore, Md.; Jas. Forsyth, Owego, Tioga Co., N. Y.

Executive committee—Chas. R. Harker, San Jose, Cal.; O. T. Albee, Lawrence, Cal.; Geo. W. Mitchell, Bristol, Conn.; G. M. Downs, Atlanta, Ga.; Geo. Seeger, Jr., Lafayette, Ind.; Daniel Christian, Roanoke, Ind.; I. N. Barker, Thornton, Ind.; Fred L. Kimmey, Morgan Park, Ill.; Frank B. White, Chicago; Grant M. Curtis, Quincy, Ill.; F. H. Shellabarger, West Liberty, Ia.; W. S. Russell, Ottumwa, Ia.; A. R. Sharp, Taunton, Mass.; A. C. Hawkins, Lancaster, Mass.; H. S. Ball, Shrewsbury, Mass.; W. F. Whiting, Holyoke, Mass.; C. H. Rhodes, Topeka, Kan.; John L. Cost, Hagarstown, Md.; Adam Thompson, Amity, Mo.; R. E. Kirtly, Kansas City, Mo.; Dr. G. W. Davis, Kansas City, Mo.; Franklane L. Sewell, New

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Write for score of birds and prices. Mention this journal. Address
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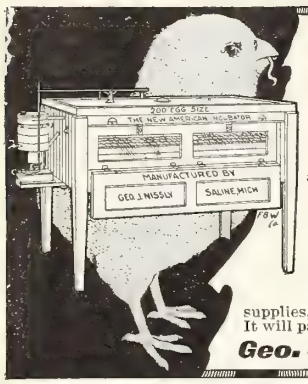

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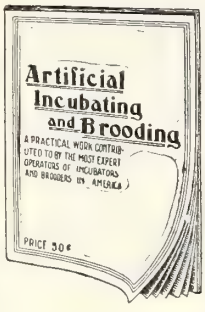

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MICHAEL K. BOYER, Hammonton, New Jersey. Editor of "A Few Hens" and Author of several Poultry Books.
E. O. ROESSLE, Albany, N. Y. Editor Poultry Department of *The Country Gentleman*
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Finance committee—H. V. Crawford, Montclair, N. J.; Geo. McCormick, London, Ont.; P. Williams, Taunton, Mass.

THE AMERICAN LANGSHAN CLUB.

The American Langshan Club held three enthusiastic meetings during the Chicago show and made changes in the rules of the club and outlined a policy for the future which it is believed will insure an era of greater activity and prosperity for the organization.

Vice-President Franklane L. Sewell presided and W. W. Hogle was elected secretary pro tem. The following officers for the year were elected:

Ben S. Myers, Crawfordsville, Ind., president; F. L. Sewell, New Troy, Mich., vice-president; Ralph McAdoo, Ashland, Ohio, secretary and treasurer. Executive committee, George P. Coffin, Freeport, Me.; Henry Balston, Spokane, Wash.; J. Alwyn Ball, Somerville, S. C.; Albert Lemen, Lincoln, Neb.; James Hanley, Knoxville, Iowa; James E. Rodgers, Sandusky, Ohio.

An honorary vice-president was elected for each state, whose duty it will be to assist the secretary in promoting the interests of the club through the poultry press and increasing the membership in his state.

The rules of the club were changed, eliminating the life membership and making the membership fee for new members $1 and the annual dues for all members $1.

A systematic plan of giving special premiums was adopted by which a valuable cup will be offered at some prominent show to be decided upon by the executive committee. Also a valuable cup to be offered as a special premium in each state where there are ten or more members. The show at which this prize is to be given is to be decided upon by the members in the state by mail vote taken by the vice-president for that state. The above prizes are to be competed for by club members only. The secretary is authorized to offer a membership in the club as a special fee to be competed for by non-members at such shows as he may see fit.

The secretary is also authorized to offer a copy of the Standard free to all new members wo will send in their membership fee and one year's annual dues, total $2, in advance.

An energetic and enterprising corps of officers has been elected, who, we believe, will in a very short time push the American Langshan Club to the proud position it occupied a few years ago as the leader of the specialty clubs of America.

To the old members I say, renew your allegiance to the club, uphold the officers and aid them by your counsel, advice and assistance.

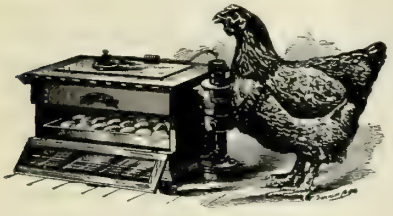
To the friends of the Langshan who are not members of the club, I say, your interests will be served by joining it. Send to the secretary for a blank application and a copy of the by-laws, and if they meet your approval, become one of us. Let us all unite in building up a strong and prosperous organization to push the Langshan to the position it merits—the front rank among all domestic fowls. Send your application and address all communications to Ralph McAdoo, secretary, Ashland, Ohio.

Twenty-one new members were accepted at the meeting.

W. W. HOGLE,
Secretary Pro. Tem.

"THE WOODEN HEN."

Of course a wooden egg will not hatch out a chick, but a wooden hen will hatch chickens from tested fertile eggs. The "Noah's Ark" hens that the children play with will not do this trick, but the "Wooden Hen" invented by George H. Stahl will double discount the largest "biddy" in turning out a brood of chicks; and when hatched an "Aunty" is provided for the fuzzy little fellows that will bring them up with care and kindness. One of the most interesting novelties yet put on the market—and a novelty of decidedly practical value — is Mr. Stahl's small-sized hot-water incubator, modeled after the famous Excelsior and called the "Wooden Hen." It takes up no more room than a good-sized hen, and it holds 50 eggs. It is equipped with an automatic regulator which is positive in its control of temperature, and it is in all respects a complete incubator. Such miniature affairs are apt to be considered toys, but while the "Wooden Hen" will afford all the amusement of a toy at comparative small cost it is yet a prac-



tical and valuable machine in any farm or city home where chickens can be raised. There are thousands of women and boys who would like to experiment with artificial incubators, but the prices of the regular sizes of standard make deter them. To such the "Wooden Hen" comes to fill a long-felt want. Reliable in its construction, positive in the action of its regulator, and low in price, it is exactly the machine with which at small cost to learn the art of incubator-working. If the small boy—and girl, too—does not clamor for a "Wooden Hen" we miss our guess. The cost of this machine and the "Aunty" brooder could not be more profitably expended on the boy or girl who is anxious to learn how to hatch chickens by steam. On application Mr. Geo. H. Stahl, Quincy, Ill., will send you an illustrated descriptive catalogue of "the biggest little thing on earth."

Mention this paper.

———o———

A good and profitable show was held in Charlotte, Mich., December 8 to 13. Next year the Eaton County Association will be managed by D. C. Hoedemaker, president; Chas. E. Baughman, vice-president; F. M. Grier, Cor. Sec.; W. G. Mitchell, Rec. Sec.; S. E. Cook, Treas.; and Wm. Greensmith, Supt. of the exhibits. Glenn T. Ells, Frank Spaulding, R. D. Wheaton, A. E. Fitzgerald, J. H. Brown, Wm. Greensmith, I. L. Boyer, A. P. Green, executive committee.

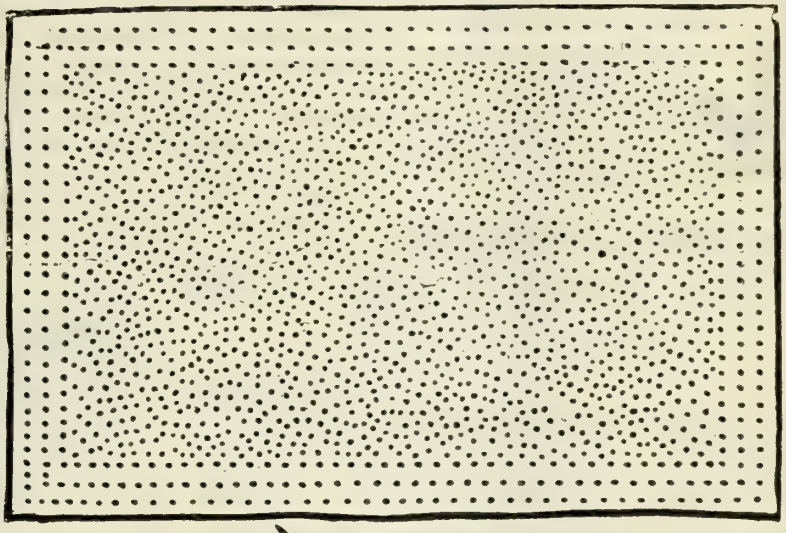
———o———

The Louisiana Poultry Association has changed its show date to April, 1899, in conjunction with the Louisiana Industrial Association. Geo. A. Eyrich, Sec., New Orleans.

A Great Prize Offer

to Readers of American Poultry Journal.

$85 in Prizes for those who can Count the Dots in this Diagram. **$85**



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FIRST PRIZE—A 200-egg incubator, (choice of Reliable, Prairie State or Successful) to be given to the one who can count nearest to the correct number of dots in the diagram.

SECOND PRIZE—$15 in cash for the one making second best count.

THIRD PRIZE—$10 in cash for the one making third best count.

FOURTH PRIZE—A 54-egg Little Crescent Hatcher to the one making fourth best count.

TO THE FIVE NEXT nearest, 500 noteheads handsomely printed and illustrated.

TO THE TEN NEXT nearest, one copy each of the New Revised Standard of Perfection.

To the one making the poorest count a "consolation prize" of a $5 gold piece will be sent.

Conditions—Send 75c, which pays for one year's subscription to both the *Western Garden and Poultry Journal* and *American Poultry Journal* and entitles you to one count. Send another subscription with your own and you can have two counts, and so on. Should the contest result in a tie on any of the cash prizes, amount will be divided among the winners. As we cannot divide the first prize and have it of any use for hatching purposes, priority in reception of coupon below, at our office, would naturally have to govern.

EVERYBODY WINS A PRIZE in this contest, as the two papers for 75c are great big value for your money—and if your can count straight you are liable to get much more.

RENEWALS COUNT.—As both papers wish to treat all their old subscribers as liberally as they do new ones, ***all paid in advance*** renewals will count.

Please Observe that there is no element of chance in this matter. Every dot is distinctly marked, and by exercising care they can all be counted. It takes a clear eye and a steady hand to do it, but it can be done. It will be apparent therefore that the winning of the prizes depends entirely on the skill and care of the competitors, and in no sense on chance. Every competitor for the prizes must fill out and mail the coupon at the bottom of this ad to the

WESTERN GARDEN AND POULTRY JOURNAL, Des Moines, Iowa.

It is not necessary to write a letter even. All competitors will be notified of result of contest by mail.

The contest closes Feb. 27, '99. Prizes will be sent the next day.

Western Garden and Poultry Journal,
Des Moines, Iowa:

Enclosed is 75c to pay for one year's subscription to both your paper and the American Poultry Journal, as per conditions of prize contest.

My count on dots is.....

Name.....

Town.....

State.....

Sample copy of Western Garden and Poultry Journal sent free to any address.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

SEED DUE BILL FREE

To get new customers to test my seeds I will mail my handsome **catalogue for 1899,** lithographed and beautifully illustrated, and a **10c. Due Bill,** good for 10c. worth of seeds for trial, **absolutely free.** It is full of bargains. All the **Best Seeds, Bulbs, Plants, Roses, new Fruits, Farm Seeds, Potatoes, etc.,** at lowest prices. **Ten Great Novelties** offered without names. I will pay **$50. FOR A NAME** for each. Don't buy your stock until you see this new catalogue. Several varieties shown in colors. Great inducements for orders this year. **You will be surprised** at my bargain offers. Send your address on Postal to-day. Tell your friends to send too. Old customers will receive a copy.
F. B. MILLS, Seedsman, Box 59, Rose Hill, N.Y.

WHITE ROCKS.

Winners at Kalamazoo, Dec. 1898. Stock for sale. Low prices. Member American White Plymouth Rock Club.
T. H. HARRIS, Berne, Ind.

A. Z. COPELAND, Potomac, Ill.,

Breeder of White Holland Turkeys, White Ply. Rocks, Golden S. Bantams and Poland-China Pigs of best blood. Nothing but good stock shipped.

White Leghorn Poultry Farm.

J. J. Burnside, Milligan, Ind.,

Breeder of Single-comb White and Brown Leghorns, Buff Cochins, Golden and White Wyandottes, Black Spanish, Houdans, Light Brahmas and Pekin Ducks. 16 years a breeder.

HENS LAY BEST

when provided with Egg-making food. Our Prepared Meat, Granulated Bone and Oyster Shell are actual Egg producers. Our Oyster Shell Meal and Bone Meal especially adapted to incubator chicks. Eight sample bottles in case by mail for $1. Splendid opportunity for bright women to make money. Write for particulars.
FITCH FERTILIZER WORKS, Bay City, Mich.

BRABAZON'S POULTRY CATALOGUE FREE! It's a beauty; **over 50 colored plates.** Illustrates and describes fine **Turkeys,** Geese, Ducks and chickens; gives prices of fowls & eggs. **Finest Buyer's Guide published.** Inclose 10c. for postage, etc.
J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

GRANT'S BUFF COCHINS and Lt. Brahmas

Have Never Failed to Win Their Share of the Premiums.

Are you looking for show birds or fine breeding birds? If so, write me, describing your wants. I am sure that I can please you. Bred from my winners at Buffalo, Rochester, Elmira.
JOSEPH H. GRANT, Elmira Heights, N. Y.

S. D. MANDEVILLE, Sidney, Ill.,

BREEDER OF

Wh. Holland Turkeys & Black Cayuga Ducks.

I have a choice lot of Turkeys and Ducks to sell cheap, considering quality. My stock is first-class. Note Premiums received at the Illinois State Poultry Show held Jan. 10-14. Turkeys—On cockerel, 1st, scored 97; pullet 1st, 96½; hen 4th, 91½. Ducks—1st on young pair, 2d young pair, 1st aged duck, 1st Breeding pen.

Ouachita Valley Poultry Farm.

LARGEST IN THE SOUTH.

We have beyond any doubt the grandest lot of young birds ever raised for exhibition and breeding purposes. We never fail to win in the show room, winning last season over 287 prizes on our specialties.

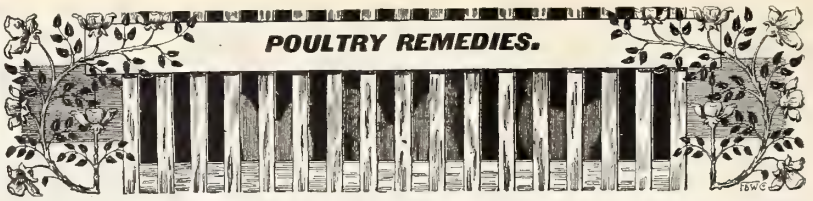
Light Brahmas, C. I. Games, Barred Plymouth Rocks, Wild & Bronze Turkeys, Buff Cochins, S. L. Wyandottes, Brownie Pit Games, Pekin Ducks.

Just a trial order will convince any one as to our square dealing and the high quality of our stock. Guaranteed to please. Eggs $3. Stock from $2 up.

G. W. BROWN, Prop., Camden, Ark.

Send for a sample copy of the Cotton Belt Journal.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL



Remedies for the common diseases of poultry. Advice for prevention and cure.

ROUP.

Roup is a term as widely and erroneously applied to fowls which are ailing as la grippe in the list of human ailments.

Every sneeze is not the roup, nor every ache from cold la grippe. But when roup does get hold of a fowl, the safest way to avert trouble is to kill the bird and effectually burn the carcass.

In line with what has already been said on this subject, we allude to an interesting paper on "Colds and Roup," in Farm-Poultry, by Dr. Wood.

First of all: prevention. Start with good strong stock. Clean quarters and vessels for food and water, pure air, without draughts, dry houses free from vermin. ample room, and the avoidance of chill. Fowls do not need coddling, but they do need decent care.

There is good sense in the statement by Dr. Wood that neither drinking water nor hot mash should be above 105 degrees of temperature. Scalding hot food induces sweating, as a hot drink does in the human system. A moderate amount of fat on the bird in cold weather is natural. A strictly anti-fat diet is a mistake.

A hospital coop for valuable birds is a necessity. Isolate the sufferer. If the eyes are afflicted, place the coop in a darkened corner, free from cold winds. Let the bird rest on clean straw, not on a roost. Burn the excrement. Keep the coop clean. Disinfectant must be used.

For discharges from eyes and nostrils an antiseptic should be administered twice a day. A solution of hydrogen dioxide, one part to two parts water, is preferred. It is harmless and acts only on diseased tissues.

As a remedy for colds: Ten drops each tincture aconite, bryonia and spongia in a fluid ounce of alcohol, mix, and a teaspoonful in a quart of pure drinking water.

Feed soft foods, preferably bread, milk and ground grains. A tonic is recommended. This may be compound syrup of hypophosphites, in five-drop dose, three times a day, or a small teaspoonful in a pint of drinking water.

Nine diseases are described at length by Dr. Wood, as coming under the head of this general ailment.

Cold in the head, caused by exposure and irritating dust. The symptoms are: Fluid discharge from nostrils, at first watery, then mucus, later moco-purulent. Discharge may dry on nostril, stopping it, causing breathing with open mouth, and watery eyes, with bubbles in corners. Frequent attacks render trouble liable to become chronic. It makes a very favorable condition for the development of roup germ. The treatment is a wash with hydrogen dioxide. If discharge is quite watery when first noticed, spirits of camphor in drop doses, given on bread crumbs or a little sugar, repeated four or five times daily, will usually cure. Many cases can be cured by simply using the hydrogen dioxide solution frequently; keeping the nostrils clean. For cases of long standing, after thoroughly cleansing nostrils, inject morning and night the following: One part finely powdered iodoform in twenty parts liquid albolene.

Influenza is a catarrhal inflammation of respiratory tract and eyes; often accompanied by diarrhoea. Sometimes occurs in epidemic form, and is then very contagious. The cause is a specific germ, unaffected by climate or season. One attack predisposes to another, which usually occurs about the same time each season. All conditions which are unsanitary and tend to debilitate the fowl are predisposing factors. The symptoms are sudden. Bird is droopy, feathers ruffled, seems feverish, and drinks frequently. Slight discharge from eyes and nostrils, and many have greenish watery diarrhoea. Sneezes frequently. Face about eye becomes badly swollen on one side of head or both. Later discharge from nostrils becomes thick and sticky and shows a tendency to cake on nostril—may become yellowish, and smell. Mouth is filled with mucus. Throat inflamed, but no patches. Fowl loses appetite. The aconite, bryonia, and spongia mixture is frequently useful in influenza. If it does not do the work, try tincture of gelsemium fifteen drops in each pint of drinking water. If disease is taken early, a one grain pill of quinina sulph. given every night, will sometimes abort an attack.

Pneumonia or lung fever results from

excessive croupous inflammation. It is infectious, being a germ disease. Brooder chicks are liable to it. The bird's position is peculiar to the disease, usualy is half-squatting, half-standing position, with wings drooped and held away from the body, neck stretched, mouth open, and panting for breath. If ear is held close to chest a cracking noise not unlike the sound of crumpling parchment will be heard. In treating, remove the bird to warm quarters where the temperature will not go below, nor much above, 65 degrees F. If the atmosphere can be kept moist with steam, so much the better. Give every three hours one-tenth of a five grain antikamnia powder. The powder may be made into a pill with bread crumbs. In the drinking water use ten drops tincture of bryonia in eight ounces of water. If the bird will not drink, give a teaspoonful of this every few hours in a little raw egg and milk. Feed nothing but egg and milk until breathing becomes much easier. No solid food for at least forty-eight hours. As fowl recovers, gradually harden it to cooler temperature, and do not return it to the flock until it is strong and able to stand the temperature of the poultry house. Bird will need some tonic while convalescing.

Bronchitis is a catarrhal trouble, common in the fall. The aconite and bryonia remedy is good.

False or incipient roup is a step towards the genuine ailment. It may be defined as aggravated and continued cold. Most cases if removed to separate quarters and a simple antiseptic wash used to cleanse mouth and throat of secretions, will get well without other treatment. Fowls should be well fed. Ten drops of tincture of belladonna in each pint of drinking water will often help matters wonderfully.

Eye troubles are known as conjunctivitis and keratitis. These are inflammation of the mucous membrane of the eye—the latter, that covering the pupil. Exposure causes the derangement, induced by constitutional weakness. If keratitis is discovered early a small opaque white spot or ulcer may be noticed over pupil. It is usually accompanied by conjunctivitis, and gumming together of lids. In all cases hen keeps eye closed, as light causes pain. Ulcer may rapidly increase in size and depth, destroying sight, and resulting in rupture of membranes of eye and loss of contents of eyeball. All cases when under treatment should be kept in darkened coop. Conjunctivitis usually yields to daily bathing with hydrogen dioxide one part in two parts cold water. Ten

PURE WHITE WYANDOTTES from Clarevista Fruit Farm, Covert, Mich. Prize winners at Kalamazoo Poultry Show, Sharp Butterfield, judge; also at Dowagiac. Fine cockerels $2, $3, $5. $10. Eggs in season at $1.50 for 13; $3 for 30.

WM. E. SELF & CO., Lexington, Ky.

Breeders of Barred Plymouth Rocks, Cornish Indian Games and Buff Wyandottes. A fine lot of young cockerels for sale. Eggs $3 per 13; $5 per 26.

KLINE'S BUFF ROCKS—Winners at such shows as Madison Square Garden, Hagerstown, Mt. Gretna, Johnstown, Washington, Kansas City. 4 gold specials and Silver cup. Eggs $2; 3 sittings $5. Write for catalogue. FRANK KLINE, Box 308 A, Spring City, Pa.

Thomas Has Winners.

Barred Plymouth Rocks and Pekin Ducks.

Our birds are farm grown and were first prize winners at Sabina, Xenia and Springfield, Ohio, this winter. Our catalogue tells all about them; write for it. Eggs from choicest matings for sale. Barred Rock eggs $2 per 15; $3.50 per 30; $5 per 50. Duck eggs $1 per 12; $3 per 50; $5 per 100.

H. P. THOMAS, So. Charleston, Ohio.

ROUP CURE GUARANTEED, **ROUP**

CONKEY'S ROUP CURE—the only remedy positively known to cure Roup in all its forms as long as the fowl can see to drink. Simply put the cure in drinking water and the fowl will take its own medicine. **For Canker**, especially in pigeons, this remedy excels all others. One 50c package makes 25 gallons of medicine. **Directions** with every package. If this fails to cure we refuud the money. Postpaid, small size, 50c; large size, $1. Petaluma Incubator Co., Petaluma, Cal., Pacific Coast Agents.

AGENTS WANTED. G. E. CONKEY & CO., CLEVELAND, OHIO.

Please mention this paper. Do not send stamps.

White Plymouth Rocks,

Exclusively—EmpireStrain.

If you want prize winners you must have eggs from pure stock. I have the stock; pure white, large size, yellow legs, beak and skin, low combs. Eggs, $2 per 15. Satisfaction guaranteed.

I. F. SCHOTT, Box 144, New Pittsburg, Wayne Co., Ohio.

Member Advisory Board A. W. P. R. Club.

SPRING RUN POULTRY YARDS.

Dr. W. A. CRUM & L. A. LOGSDON, Props.,

Carey, Ohio.

Buff White **P. Rocks,** Buff White Silver **Wyandottes** Toulouse Embden **Geese**

Buff Rocks score to 94, W. R. to 96, Buff Wyandottes to 93½, White Wyandottes to 96½ and Silver Wyandottes to 94½. All scored in strongest competition in show rooms at Toledo and Carey, O. Toulouse Geese scored to 98 and weighed 28 lbs. Embden to 98½.

If you want any of the above varieties write us for prices. No Buff Wyandottes or Embden Geese for sale. Circular out Feb. 20. Eggs $5 per 15. Embden eggs $2.50 per 7; Toulouse $2 per 7.

Barred Plymouth Rocks. Birds

Single-comb Black Minorcas. of Quality

Bred right. No breeders sold at less than $5.

Every Bird a Tried Breeder or Show Specimen.

Eggs, $5 for 13, straight. Books open for egg-delivery after March 15, from pen of finest cockerel.

All Other Pens: Eggs at $3 for 13. These are headed by brothers of best bird.

Send for fuller particulars and state what you want.

17 Acres—10 Pens.

Mention A. P. J.

J. B. KIMENOUR,

Belvidere, N. J.

1888 **1899**

Barred Plymouth Rocks.

Of that Soft Blue Color.

Winners the past four years among the best. My last exhibit was at the Illinois State Show, Jan. 1898, where I won 1st hen, 93, (cut ½ on weight), 1st pullet, 93½; 2d pullet was bred by me. At this show nothing under 93 got a place in Barred Rocks. At one show this year birds of my strain won 7 out 8 possible prizes on females, scores running to 93½, weight counted. Eggs from my yards hatched winners for my customers last year. They will do it again this season.

Eggs $5 per Sitting. Orders Booked Now.

E. G. McCORMACK,

Perryville, Vermillion Co., Indiana.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Cornish Indians, Exclusively.

Five years a breeder of the best ckls, with score cards by Heimlich 91½-93, $2.50 to $5. Eggs in season. Write your wants.

H. S. MARKS, Box 540, Lanark, Ill.

25 Silver Wyandotte Cockerels.

Tarbox Stock. Special Sale.

Fine, large birds at the sale-maker price in January: **$1 to $3**

Also a few choice BUFF LEGHORN Cockerels.

A. A. BISBEE, Hartley, Iowa.

H. H. Fike, Morgan Park, Ill.,

—— BREEDER ——

White Wyandottes, Light Brahmas,

Black Langshans.

Strong, vigorous birds from the best strains, Eggs in season, $1 50 per sitting. No trouble to answer letters.

I Breed

Barred Plymouth Rocks,

WINNERS AT WENONA—1 ckl.; 3, 4 pullet 1 breeding pen.

Mammoth Bronze Turkeys and Rouen Ducks. Stock and eggs in season. All inquiries promptly answered.

THOMAS McKEE, Box 142, Washburn, Ill.

1879 O. K. POULTRY YARDS. 1899

Black Langshans, Black Langshan Bantams.

First-class Stock.

They win for others, they will for you.

WM. M. HUGHES, Box T, So. Portsmouth, R. I.

HOUSTON'S BUFF ROCKS

"We are shaking the (egg) plum tree" for the benefit of our friends. A few birds left for sale. We reserve 50 of the cream—old and young, for breeders. This means WINNERS for YOU next season from OUR eggs. We can afford to keep them. You can afford to buy at $2 per sitting.

I. W. HOUSTON, Marshall, Mich.

Black Langshans, White Rocks and Elgian Hares.

Stock shipped on approval.

Eggs Prepaid. Circular free.

A. S. PARSON, Garden City, Kas.

Hallock's Pekins

are among the first on the market, are sought for by the trade, command the highest prices and give the best of satisfaction in every way." And it's the same story in the show room—the proof is the long string of blue ribbons they've won at New York, Boston, Washington, D. C., and other shows. Breeders are now ready at money-saving prices. A free booklet gives the particulars.

A. J. HALLOCK,

Box A. Speonk, L. I., N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

drops of tincture euphrasia in each pint of drinking water often proves efficient. We imagine that the hatchet is the best remedy for this disease.

Roup is diphtheritic, with putrid throat, and canker. Dr. Wood gives full symptoms. It is acute, constitutional and germinal. The poison exists in the membrane and secretions of the throat, mouth and nostrils, but not in the breath. It is spread by contagion from contact with the poison, mainly through the drinking water. Dried particles of the secretions may be carried through the air or on the clothing of attendant, and so cause spread. Symptoms develop in from three to five days after infection. All symptoms appear suddenly. Fowl may have appeared in perfect health. Suddenly loses appetite, and appears dumpish. Bird may not show any symptoms of eye or nose at beginning. Body seems hot, comb hot, deep red; later becomes pale and droops. Fowl may cough, make a sharp "pip." Examination of the throat, the back part appears very red and inflamed, with small, irregular patches in back part of throat. Patches vary from pearl gray to yellow in color. They increase rapidly in size, and have a tendency to run together, frequently extend up on to cleft palate as a tough membrane nearly filling throat. This membrane is apparently a part with the mucous membrane of the throat; any attempt to remove it results in bleeding. (If the membrane comes away easily, and does not leave a bleeding surface, the trouble is not diphtheria). Fowl shows signs of great weakness, and breathing is often difficult. Breath is always putrid. Membrane may extend into windpipe, causing death from suffocation; or may extend into nasal passages, and from there infect the eyes, resulting in swollen head. Death may result suddenly from suffocation, or from paralysis of heart.

We give these symptoms, but do not give the remedy which Dr. Wood proposes. The only remedy that should be named is—the hatchet. Kill, burn and wholly destroy fowls thus infected. They are a menace to the flock and an abomination to fowl and mortal.

———o———

A NEW ROUP RECIPE.

W. E. Bartlett, M.D., of Belle Plaine, Kan., sends the Journal the following original recipe for roup. He informs us it it one he applies in cases under his own observation, as he is a poultry fancier. We infer that camphophenique is an article procurable of any druggist. We are glad to get these hints from men that are in professional life. The recipe is:

For mild cases of roup, use half ounce of camphophenique with half ounce sweet oil. Apply to head and eyes with small piece of cotton. In severe cases, use pure camphophenique.

Dr. Bartlett says he has never known the remedy to fail to effect a cure. One treatment usually suffices. In no instance has he been required to make more than two applications. This is evidently a beneficial remedy for those primary symptoms of catarrhal trouble which many persons mistake for roup. Colds should be and can be alleviated. The term "roup" is frequently misapplied.

Questions and Answers.

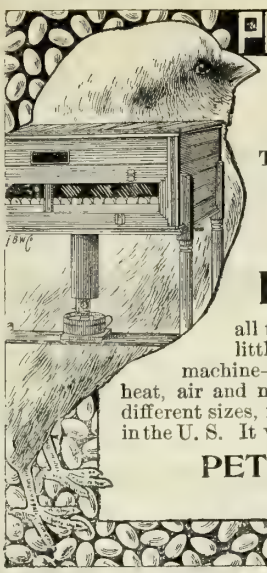
ONE KIND OF ROUP.—A subscriber living at Lake Station (New Chicago) Ind., writes that he is having trouble with his young chicks. He says that when they are from five to seven weeks old an eye becomes swollen and completely closed. Sometimes the birds are listless and drooping and at other times seem as frisky as ever. He has treated them with salt water, bathing the head, fed on bread and milk, rolled oats, etc., and Pratt's food made into a stiff gruel. Sometimes he has effected a cure and at other times failed. The swollen eye is a form of roup that is pretty hard to combat. The listlessness he speaks of accompanies this disease. If the chicks were merely listless I should think the trouble was the large gray lice that get on the head and along the arteries of the neck. I would look for them as it is. The swollen crop mentioned is from the kind of feed given them. The sick chicks have been filled with sloppy feed—gruel—and this not being digested has fermented until the gas generated has filled the crop and aggravated the disease. When a fowl gets sick the food remains in the crop and often is the immediate cause of death. Except in the matter of feeding the treatment is all right as far as it goes. Bathe the face in a little turpentine, keeping it out of the eyes and with an oil can inject a few drops of kerosene in the slit in the top of the mouth and in the nostrils and don't try to make them eat and you have done all you can. If they have a poor appetite give them a grain of quinine to brace them up, but do not force them to eat if they do not want to.

Points in Fowls.—Please tell me what constitutes "points" in fowls

and how can a beginner pick out fowls that would be worth while to send to shows? asks J. H. B., Chester, Pa. The points in a fowl are distributed over the body in an arbitrary way selected by the American Poultry Association. They denote the value of certain sections of body. The ideal fowl shows 100 points and is perfect, but the standard is set so high that no fowl ever scored 100 points. In some breeds a large comb is desired and this must be of a certain shape. It is hard to get this and the comb is given ten points. In other breeds the comb is hardly considered in judging the fowl and the comb is given three points. Comb, earlobes and wattles beak, neck, hackle, breast and body, back wings, saddle and sickle feathers, fluff, legs and toes are the various sections the different breeds are divided into by the Standard, not necessarily all of them in any one breed. Each section is given a value and as much as it lacks in being perfect is deducted in scoring it. If the judge thinks a section should be cut one-half, one, two or any other number of points the clerk sets down the "outs" and when the fowl has been gone over in this way the "outs" are added togetheed and their amount subtracted from 100, the remainder being the score of the fowl. You must have a Standard to begin with and must learn what it means. This cannot be done in any other way than by watching a judge while he scores a lot of fowls. The beginner must learn by actual experience. He cannot learn to score fowls and pick winners by reading. I got most of my knowledge on the subject by being pretty badly beaten a few hundred times. This is learning in the school of experience which it is said only fools learn in, but with a poultry breeder the proverb does not addly. The wisest man cannot learn to score fowls until he has had experience. It is well worth while to acquire the experience. That's what made me wealthy.

Wheezing and Sneezing.—G. B., of Hammond, Ind., is having trouble which he relates as follows: "I would like to know what is the matter with my chickens. They all have a kind of wheeze or sneeze and they do not look well at all. I have not got an egg for a month. I feed wet bran in the morning and corn in the evening. Of course my yard is quite damp, but I always keep a lot of straw in my chicken coop on the floor."

That last paragraph explains the whole thing or at least a large part of the difficulty. No flock of hens will keep well and lay when they are confined to a yard which is "quite damp."



PETALUMA INCUBATOR CO.

NO LICE. NO DISEASE.
NO SPOILED EGGS.

There is great profit in the poultry business if the losses can be reduced to a minimum. With the

PETALUMA
Incubator and Brooder

all the fertile eggs will he hatched, and the loss of little chicks practically eliminated. It is a **hot air** machine—**the best in the world**—and the regulation of heat, air and moisture have been proven to be perfect. Made in different sizes, from 50 egg up. **We pay the freight** anywhere in the U. S. It will pay you to get **free catalogue** before you buy.

PETALUMA INCUBATOR CO.
Box 222, PETALUMA, CAL.

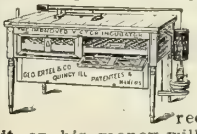
BUFF P. ROCKS—Exclusively.

My stock this season are the finest that I ever raised. Young and old stock for sale at reasonable prices, quality considered. Write your wants and mention American Poultry Journal.

J. L. YOHE, Carey, Ohio.

Brings the Biggest Price

The chicken that's marketed earliest brings the biggest price; greatest profits are made on chickens hatched in winter. The surest as well as the most economical means to success in winter hatching, is a Victor Incubator. The Victor is the topmost achievement in incubator construction; it absolutely and accurately regulates itself; it is the simplest, most reliable, most durable hatching machine, yet it costs less than any other incubator that approaches it in efficiency. Every purchaser of



The Improved **VICTOR Incubator**

receives a written guarantee that it will be all that is claimed for it, or his money will be returned. Send 6c for catalog or write for free circular.
CEO. ERTEL CO., Established 1867, Quincy, Ill., U. S. A.

"THIS IS IT."

The Utility Farm of the Age.

Plainfied Poultry Farm Co., Plainfield, N. J.

THE HOME OF

Corby's S-c. Wh. Leghorns.

The great winter laying strain.

Hundreds of youngsters bred this year from our Madison Square winners. You order—we guarantee satisfaction.

Also breeders of White Wyandottes, White and Barred Plymouth Rocks, Pekin Ducks. Circular free.

S. B. CORBY, Mgr.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WH. WYANDOTTES.

Our Prize Winners.

Do you want something fine for breeding or the show room? We have them, and at right prices. Eggs in season at $2 per 15.

FRED KEITH & SON, Lansing, Mich.

WHITE SILVER **WYANDOTTES.** GOLDEN BUFF

We have as good an average flock of Wyandottes as any breeder. 75 per cent of the birds in our breeding pens score from 90 to 95½ (average 92¾) by such judges as Bridge, Tucker, Heimlich and Meyers. Our birds are mated for good results. Each breeding pen (9 to 12 birds) has roosting and laying room 8x15, scratching shed 12x 15, yards 40x75, and are properly fed. Eggs that are fertile $2. No circular. A few good birds for sale.

MAPLE CITY POULTRY YARDS, F. M. Grier, Prop., Box C., Charlotte, Mich.

Black Langshans,

EXCLUSIVELY.

Have 100 youngsters for sale that are as fine as silk, bred from

My WINNERS at Peoria and Henry,

'97, '98, '99. Scores 93½-96. Prices reasonable. Write wants.

F. D. ROSZELL, Peoria, Ill.

Eggs $3 per 15; $5 per 30, **1213 Fourth Ave.** No catalogue.

BRAHMAS, LIGHT DARK

COCHINS, Buff, Black and Partridge

LANGSHANS, BLACK

Barred White **PLYMOUTH ROCKS**

S-c. B. R-c. B. **LEGHORNS**

CORNISH INDIAN GAMES.

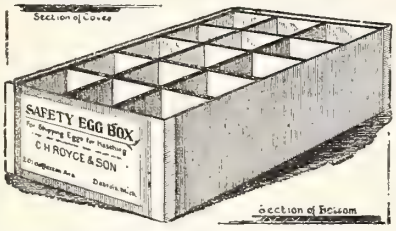
These in the heavier breeds—Grand good ones,
In the pens are also found extra specimens of

Black Minorcas, W. F. Black Spanish, S. S. Hamburgs.

Special For Quick Sale

I want to sell some fine cockerels: 6 Wh. P. Rock, 2 R-c. B. and 4 S-c. B. Leghorn, 1 S. Wyandotte, 10 B. P. Rock, 3 Black Langshan, 2 Black Minorca, 2 Houdan, 1 Dorking.

RAINEY MILLER, Champaign, Ill.



A Trial will convince the most skeptical that our

SAFETY EGG BOX

Is the best package ever devised for shipping eggs for hatching. Box and cover are same depth. Padded with corrugated paper packing, partitions constructed of same material, forming a box strong enough to hold the weight of a man. Each egg is protected by a soft, yielding substance, a safeguard against breakage. Packing and shipping consists simply in placing eggs in compartment, tying and addressing.

PRICE PER DOZEN BOXES, F. O. B., Detroit: 12 egg $1; 15 egg $1.20; 30 egg $2; 40 egg $2,50. Highest testimonials. Circulars cheerfully furnished.

Manufactured by C. H. ROYCE & SON, 201 Jefferson ave., Detroit, Mich.

S-c. Black Minorcas.

. . . Northup Strain

Carefully selected pen—females are all good size, good heads, combs and legs, pure black, glossy appearance; headed by one of Northup's best cockerels. All high scoring. Eggs from this pen $1.50 per 13.

B. P. Rocks. E. B. Thompson Strain.

Pen No. 1 specially selected "Ringlets," male and females; also barred evenly and to skin; good low combs, good size and shape. Eggs $1.50 per 13. Two other pens as good except combs and cockerels a shade lighter. All line bred. Eggs $1 per 13.

W. P. Rocks. Empire Strain.

Pure white, good, low combs and Rock shape. Very select pen. Eggs $1.25 per 13.

J. B. MOSLEY, Austell, Ga.

GROVER & GROVER, Concord, Mich.,

Breeders of strictly first-class

White and Buff Ply. Rocks and Black Javas.

We won at Chicago, Jan., 1898, ten premiums on twelve entries. We are prepared to offer

Exceptional Bargains in Breeding and Exhibition Stock.

Correspondence solicited. Mention this paper.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

The straw does not keep the dampness out in the lesat and the hens have bad colds which will soon get to be roup if not stopped. The only way to stop it is to give them dry quarters. Put a floor in that chicken house that is high enough from the ground to keep dry. Have windows large enough to make it light and warm when the sun shines and drain the yards until they will only be damp and not "quite damp." If the yards are well drained straw may be kept in them with benefit if frequently renewed. Cook the bran instead of wetting it and make it thick and crumbly with middlings before mixing, mixing the middlings in while the cooked bran is hot. Add to this a sprinkle of cayenne pepper and a little salt. Give the hens fresh meat if possible and do not fail to give them oyster shells and plenty of grit. This should start them to laying. The gloomy weather we have been having seems to discourage laying, but the right kind of treatment will bring them about.

Ventilation.—"Will you kindly tell in your valuable Journal how best to ventilate a roosting pen in cold weather?" writes Dr. S. A. McW., of Chicago. Being a physician our correspondent will understand that the question of adequate ventilation is a pretty large one. He will know that about one house in a hundred among his patients is well ventilated. Most poultry houses are too well ventilated and very few of them need a ventilator at all. The carbonic acid gas exhaled from the lungs of the fowls sinks to the lowest place in the room first, the air that is warmed by the heat of the bodies of the fowls rises to the highest point in the room at once. Here is the problem: Keep the warm air in the room and let the air contaminated with the deadly gas generated in the lungs out. A pipe through the roof will not do this for the contaminated air will not rise; a mere hole in the higher part of the house lets out the warm air that we want to keep in and leaves the impure air next to the floor. A hole near the floor will let the bad air out if the room is tight, but the work will go on slowly. If the room is open enough to let in air at the top to take the place of the bad air that goes out the chances are that the current will come in at the lower hole and go out at the upper creating a draught that brings disease. After trying all sorts of ventilators I have discarded all of them. Fifty Leghorn hens use about as much air as I do and I have seen so few poultry houses where the air seemed very badly contaminated even when first opened in the morn-

ing that I have concluded that ventilators are of no earthly use. All the carbonic acid gas generated in a poultry house will leak out under the average door and enough pure air will get in around the windows and doors to keep the supply good. This is true of my poultry quarters and water rarely freezes at all in the sleeping room. It would be possible to make a poultry house air tight but I have yet to see one. If your sleeping room is very, very near air tight and opens into another room not so tight leave the door between ajar so as to make a half inch crack, but do not leave opportunity for a draught that will drive over the fowls while they are sleeping, for a train of diseases follow such a course. If you invent a perfectly satisfactory ventilator let me know about it and I will put one in.

PAXTON, ILL., SHOW.

Editor American Poultry Journal:

The Poultry exhibition at Paxton was a success in regard to finances and number of entries. There were about 500 fowls of all kinds, the Plymouth Rocks having the greatest number. There were a number of high scoring birds of different breeds. There were exhibits from Chicago to Carbondale, and from Bloomington to Frankfort. Everybody seemed satisfied with the scoring, as all could not get ribbons. The officers of this association deserve a good many thanks for their time and attention, and it is expected that Paxton will hold another show next year, and the citizens will see the benefit of such a show in the improvement of pure-bred poultry, as well as finances, and in an educational way. BERT KEITH.

LA MOILLE, ILL., SHOW.

The first exhibition at La Moille proved a financial success and laid the foundation for future work. Among the best specimens were White Wyandottes, scoring 95½, 94, and Barred Plymouth Rocks, 92, by W. N. Smith. The Turkeys and Ducks were especially strong. E. A. Reed was secretary.

The Aurora, Ill., fanciers have organized an association with J. F. Harrol president, Ed. Denney and Geo. Howe vice-president, Isaac Ferguson treasurer, and J. B. Stevens, secretary.

Charles J. Stuckey, Mechanicsburg, O., has Buff and White Rocks and Buff Leghorns splendidly mated for eggs. His work in the yards for 1899 can be depended upon by those ordering from him. Mention A. P. J.

F. M. Grier, Maple City, Mich., is gaining an enviable reputation in Wyandottes, Buff, White, Silver and Golden.

Lee's Monthly Offering.

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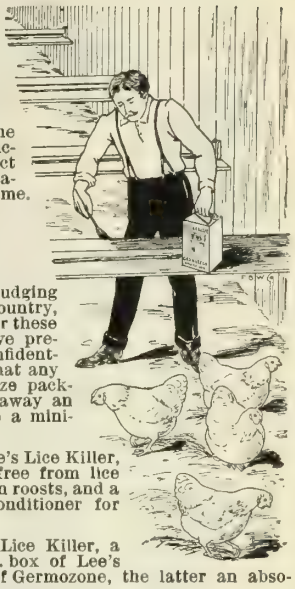


represents what we consider the correct form of roost for the poultry house. It is fully illustrated and described in our new 64-page book which we mail free on request. This book, of which we have already mailed out 25,000 copies of the last edition; contains full information for the destruction of insects and vermin of all kinds, and also instructions for treatment of diseases of poultry and stock. We expect to distribute a half million of these books during the coming season and if you don't get one it's because we haven't your name.

Our Special Offers

are proving immensely popular, judging from the orders which are pouring in from all sections of the country, over 100 per day. Some of our agents complain because we offer these sample lots at less then we can sell to them by the dozen, but we prefer to offer a first trial of our goods without regard to profit, confidently believing that the goods will speak for themselves better that any amount of talk or printed matter. We prefer a trial of full size packages rather than a small sample, yet we cannot afford to give away an unlimited quantity of fu l size packages. We therefore make a minimum price for sample lots ***for first trial only*** as follows:

For 30 cts:—We will send a 30 ct. can of Lee's Lice Killer, which keeps fowls permanently free from lice and mites by simply painting on roosts, and a 25 ct. pkg. of Lee's Tonic Powder, the best egg food and conditioner for poultry.

For 50 cts:—We will send a 30 ct. can of Lee's Lice Killer, a 25 ct. box of Tonic Powder, a 25 ct. box of Lee's Insect Powder and a 25 ct. bottle of Germozone, the latter an absolute specific for roup and cholera.

Each of these sample lots proves the best advertisement we could possibly send out. Our goods are on sale in 4,000 towns in the United States but there are 10,000 other towns that we want to reach and where we want a resident agent; so send for a sample lot, give it a trial and, if fully satisfied, take an agency or recommend your dealer to do so as you will want more of these goods.

"I have used your Lee's Lice Killer for a year and find it far superior to the various insecticides that I have used. I use no other since I tried yours."
A. L. SMITH, Grand Cateau, La., Nov. 16, '98.

"Please fill enclosed order at once via U. S. Express. We are investing about $2,000 in the equipment of a first-class poultry farm and we do not consider that it is complete until we have some of your remedies on hand." W. W. HAYS & SON, Haysville, Kans., Jan. 5, '99.

"I have used your Lice Killer and I have tried a great many other remedies for Lice but I have never yet found anything as good as your Lice Killer. I think it *the best in the world*. I had millions of mites in my hen house and after the second application of the Lice Killer my hen house was entirely free from them. I am anxious to try your other remedies. I shall always feel grateful to you for the discovery of Lee's Lice Killer."
MRS. C. W. PROUDFOOT, Scott, Kans., Nov. 20, '98.

Address nearest office as below:

GEO. H. LEE CO., Omaha, Neb.

178 Michigan street, Chicago.

68 Murray street, New York.

EMPIRE STRAIN WHITE PLY. ROCKS. No Culls. Eggs and stock all the year.

B. P. Rocks, Buff Wyandottes, Buff Cochins.

Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

E. M. DURHAM, LaPlata, Mo.

VAN BUREN POULTRY YARDS.

White Plymouth Rocks A SPECIALTY

We also breed and have some good stock of

Barred Ply. Rocks and Pekin Ducks.

Stock for sale. Eggs for hatching in season. Some extra good W. P. Rock cockerels and a few cocks.

J. J. CLEMENT, South Haven, Mich.

MRS. R. McKEE, Washburn, Illinois,

—BREEDER OF—

White Plymouth Rocks, Golden Wyandottes, M. B. Turkeys & Pekin Ducks.

Choice Stock For Sale.

At Wenona Poultry Show, Dec. 5-10, '98, won on White P. Rocks, 1st and 3d on cockerels, 1st, 3d, 4th on pullets and 1st on breeding pen. On Golden Wyandottes—1st, 2d, 3d on cockerel, 1st, 2d, 3d, 4th on pullets and 1st on breeding pen.

ENTIRE SALE.

On account of change of business I offer for sale my entire stock of 40 varieties of poultry. Prize winners, breeders, young stock and all (none reserved). Incubators and brooders. Any party wanting a bargain in my line will do well in writing me their wants and send 10 cents for a mammoth catalogue of poultry, giving all prizes won in the last three years.

E. H. COOK, Huntley, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WHITE PLYMOUTH ROCKS.

"The General Purpose Fowl,"
Proven by Mr. Frank Heck.

To make room for the White Rock, the Empire Poultry Yards, Mechanicsville, N. Y., will close out last pen of White Minorcas; a pen of 8 yearling hens, headed by a prize winning ckl., at a price too low to print. White Rock and Light Brahma eggs in season. Write.
L. C. NORTON, Mechanicsville, N. Y.

S-c. BR. LEGHORNS,
S-c. BL. MINORCAS.

Winners at leading shows.
W H. WIEBKE,
266 Beaver ave., Ft. Wayne, Ind.

A NICE CUT
well brought up is half the job. That's the kind we have and that's the way we do it. Send 2c stamp for samples and be convinced. Printing is our business. Nothing cheap about our work except the price. An order for 100 receives as much attention as one for 10,000. Envelopes from $1.25 for 500 up; noteheads, $1.25; letterheads, $2; tags, $1.20. Express paid. All our note and letterheads are ruled on both sides.
DAVID L. CLARK, Printer,
Station K, Philadelphia, Pa.

Dewey Has Won Prizes.

My **SUPERB Single-comb BROWN LEGHORNS** will **WIN** too. No stock scoring less than 92. My breeders are beautiful. Stock at reasonable rates for elegant birds. Sitting of 15 eggs, in fancy box, from these breeders for 2$, express paid. **C. M. STEINMETZ,**
Breeder and Proprietor,
Rosehill Poultry & Fruit Farm, Rosehill, N. C.

MONTAUK
STRAIN.
Sired by Montauk Chief.

Barred Plymouth Rocks.

50 Elegant Cockerels, all Standard color, without any white or splashy feathers.
This splendid lot are sired by the famous "MONTAUK CHIEF," a marvel in shape, style and barring.

High Honors Won
with birds of my own breeding.

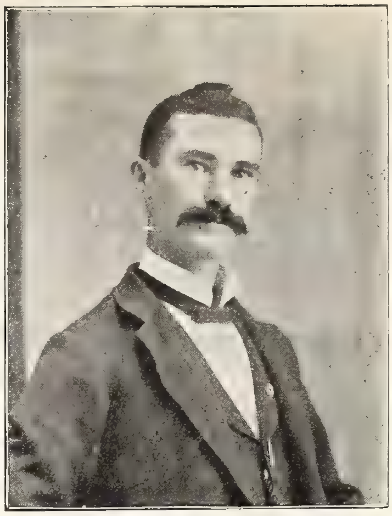
R. W. DURYEA,
Great River, L. I. N. Y.
These cockerels will go for less than half their real value. Write for prices and name kind of birds you want.

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3⅛x5⅛ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x5⅜ in., at same price.
☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash.
☞No less than 100 of any one kind printed.
No samples sent to any one whatever.
JEFFIE R. HUDSON, HARDIN SPRINGS, KY.
(Mr. Hudson is perfectly reliable.—EDITOR.)

CLOVER SEED

Largest growers of **Grass** and **Clover Seeds** in America. 5000 acres Meadows sown in April will give a rousing crop in July. Prices dirt cheap. Mammoth catalogue and 10 pkgs. grass and grains, including Bromus Inermis, Rape, 40c. Wheat, $3000 Corn, etc., free for 10c. postage.
JOHN A. SALZER SEED CO., LA CROSSE, WIS.



J. G. LEMBKE.

A transfer of Light Brahmas by Mrs. Phil Crockett, of Coin, Ia., to J. G. Lembke, Griswold, Ia., places the latter in a leading position. Among the flock is the best male bird ever owned by Mrs. Crockett, scoring 93¾ by Brown, the highest scoring bird at Shenandoah show. He is full brother to Mrs. C.'s Trans-Mississippi 2d prize hen, which fell only ¾ point below first. The cock was in moult at the time or he would have been entered. Mr. Lembke now has stock from these choice fowls. He is breeding from ten yards and makes Light Brahmas his specialty. Still, he makes February prices on eggs only $1 for 13, orders for future delivery. The regular price is $3. A good many pullets, hens and cockerels are offered to close out surplus. Write wants and mention A. P. J.

———o———

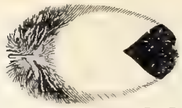
Joseph P. Dehner, Lincoln, Ill., a member of the well-known house of John E. Dehner & Sons, hardware, has now five grand pens of Buff Rocks for egg trade. Mr. Dehner has just finished a new house, 60 feet long, with 80-foot runs. He has had five years of successful experience. Those desiring eggs should book orders at once, as his trade is large. First come, first served. But reliance can be placed in his promises.

———o———

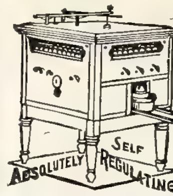
G. W. Hamm, of Battle Creek, Mich., the famous Buff Plymouth Rock fancier, has the best matings he ever had. The prices on sittings of eggs range $3, $4 and $5, according to the pens. Write and mention A. P. J.

———o———

H. W. House, So. Bend, Ind., won at Cass Co. (Mich.) show, silver cup on highest scoring ten, and 16 firsts, six seconds, five thirds and specials, under McClave.



WHERRY'S
Silver Spangled Hamburgs
are unexcelled in America.
Show birds that can win for sale.
G. G. WHERRY, Galena, Ohio.



INCUBATORS

The OLENTANGY Incubator has proved to be the best. Have taken prize after prize. Brooders only **$5.00.** Before buying elsewhere, send for free description and testimonials. Also breeder of 40 varieties of high-class poultry. 110 yards, 110 houses. Address **G. S. SINGER, Cardington, O**

This is the way they tumble out when good fertile eggs are placed in a

MONITOR INCUBATOR

They are made to hatch chickens, and they do it with great regularity and economy and with the smallest amount of attention. Hundreds of users testify these facts. Large percentage of live chicks from fertile eggs is their strong feature. Buy the profit winning **MONITOR** and be prosperous. Large catalogue for 4 cts. stamps.
THE MONITOR CO., Box 35, Moodus, Conn

ORR'S CLEAR GRIT STANDARD FOR QUALITY.
Aids Digestion and Prevents Disease.
Two sizes, fowls and chicks, 100 lbs, 75c; 500 lbs, $3. Crushed oyster shells, two sizes—100 lbs, 75c; 500 lbs, $3, Woodhid Farm cut clover hay—100 lbs, $2; 50 lbs, $1. Pioneer clover meal—100 lbs, $2; 50 lbs, $1; 5 lbs, 25c; Orr's chick meal—100 lbs $2.50; 50 lbs $1.50; 25 lbs, $1. Orr's egg producer (a food)—100 lbs, $1.50; 50 lbs, 80c. Cracked wheat (first quality)—100 lbs, $2.25; 50 lbs, $1,25. Beef scraps—100 lbs, $3; 50 lbs, $1.75. Charcoal—10c per lb. Bowker's animal meal—100 lbs. $2.25; 50 lbs, $1.25. Bradley's superior meat meal—100 lbs, $2 25; 50 lbs, 1.25. Smith & Romaine's B. B. B.—100 lbs. $2.25; 50 lbs, $1.25. Cracked peas—100 lbs, $3.00; 50 lbs, $1.50. Poultry wire netting cheap; send for price. American Standard of Perfection, postpaid, $1. Incubators, brooders, etc., at factory prices. **White Wyandottes and White Indian Games**—For the farmer, broilerman or fancier they are unexcelled. **White Crested Black and Buff Laced Polish**—The most beautiful of all the feathered race. **Light and Dark Brahma Bantams**—The king of all Bantams; imported stock; grand quality. Send for booklet and special ton rates.
LINCOLN ORR, ORR'S MILLS, N. Y.

EGGS
AND
MEAT

There has never been anything offered to the poultry public which will produce so many eggs and so much growth as

DARLING'S PURE POULTRY FOODS.

We manufacture all our own goods and guarantee their purity and freedom from injurious properties.

Concentrated Meal,
Beef Meal, Beef Scraps.
Ground Raw Bone Meal,
Granulated Bone,
Oyster Shells, Broiler Teeth,
Mica Crystal Grit

Since we are manufacturers and not jobbers or dealers our prices will interest you.

Send for prices and circulars.

DARLING & COMPANY,
Department 26, Union Stock Yards
CHICAGO, ILL.

POULTRY CUTS at CUT PRICES. CATALOGUE FREE. Harper Eng. Co., Columbus, O.

Blue Barred Plymouth Rocks.

(Thompson Strain.)

Large and showy; fine in shape and color. No circulars. Fresh eggs $2.50 for 13. Young birds of the best quality for sale. Address

LEVI McNETT,
Woodstock, Ill.

I BREED BARRED PLY. ROCKS,
E. B. Thompson's strain.

They are large, and some extra fine show birds of either sex. Any one buying and is not satisfied can return them and get their money back. less express. C. E. Pickering, West Liberty, Ia.

Chicago Winners!

Buff Leghorns and Black Langshans.

My Buff Leghorns were winners of 9 prizes at Chicago in a class of 101—the hottest competition ever made in this variety. Also won 7 prizes on Black Langshans and special for best display of 10 birds in show. Eggs for sale. Write now.

FRED L. KIMMEY, box 181, Morgan Park, Ill.

BARRED PLYMOUTH ROCKS.

Prize-winners

at Illinois State Show. Two pens mated for cockerels; one pullets. Ill. State Show—Cock 1st 92; ckl. 4th 92⅞; pen 3d 183⅞. Eggs $2.50 for 13; $5 for 30. Females scoring from 91¼ to 92½. Montouck strain. No stock for sale. Write

FRANK DALBY, Danville, Ill.

—I BREED—

BUFF PLYMOUTH ROCKS

up to standard requirements—Shepherd and Burdick strains. Eggs $2 per sitting in season. I have 15 Ancona cockerels; 10 Buff Cochins to close out. Write your wants.

C W. MOSES, Dunkirk, Ohio.

Peerless Leg Bands. Poultry Printing. Rubber Stamps.

Circulars and sample leg band free. Get my prices on *up-to-date* printing and rubber stamps. "Peerless" Leg Bands *stay on* and *stay bright*. They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25 State breed.

B. F. Huntington, Platteville, Wis

Silver Laced Wyandottes.

Won first place on pen wherever shown during winter of '97-'98, including the N. Central at Princeton, Feathered Stock at Peoria, and Illinois Valley at Henry. Many other prizes on singles and pairs. A lot of good stock for sale from pullets whose scores ranged from 90 to 92½, scored by Hewes, mated with a cockerel scoring 92½ by Russell. Cockerels, $2; pullets, $1. Write. W L. Mills, Clear Creek, Ill.

BUFF LEGHORNS, ROCKS.

First honors at New York and Boston shows. A lot of breeders for sale CHEAP.

Eggs $3 per Sitting.

E. P. SHEPHERD, box 14, Croton Falls, N. Y.

White Wyandottes,

—AND—

Single and Rose-comb White Leghorns.

400 Cockerels for Shows **to be Sold Cheap.**

Address

B. G. SMITH.
Elmira, N. Y.

SOUTHERN INDIANA EXHIBITION.

Editor American Poultry Journal:

Twelve hundred specimens is a large number, especially when almost wholly of practical poultry, to be shown at the second exhibition of any society. I have seen more birds in larger cities, but this association is composed of 129 members, at New Albany, Ind. They are, however, from the best and most energetic people here, who are generous enough to congratulate the fortunate winners and almost kill the judge with kindness. Such is the spirit that pervaded the New Albany show room, January 2 to 7.

The practical breeds presented very large classes. Over 100 entries of Black Langshans were made, with scores of 95 for males and 96½ for females. These won the sweepstakes cup.

The Plymouth Rocks, next in number, were a nice class; the Whites failing for the cup by only half a point—the best scoring 96½ points. The Barred variety were a good lot of birds, though 94 limited the score. The Buffs were better than those usually seen, promising well for the future.

Eighty Light Brahmas were fine; the winning pen going 188¼, with individuals at 95½. The management feels elated that the 1st prize pen of Brahmas at St. Louis won 3d at this show. Many birds lacked only in care to press the winners closely.

Wyandottes are surely gaining the confidence of this community. The Whites showed many specimens of 93 and 95. The Silvers, though a small class, were good.

The Mediterranean class was well filled. Brown Leghorns were largest in number, and showed no symptoms of disease. They were good sized and of nice color. From the Whites and Buffs specimens could have been chosen to do credit to any exhibitor.

In the Polish there were prime specimens, not the usual huckster kind.

Ducks and turkeys showed small classes of superior quality, 95 points being reached by large specimens weighing above the Standard requirement.

The Bantams were good and offered a new breed—the Light Harness Game Bantams—which attracted much notice.

The whole town takes pride in the show. Exhibitors who go to New Albany next year will find men who know what fair dealing means.

I. K. FELCH.

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Erie, Ill., made a fine start with its show, Dec. 20 to 24, the best specimens being in the White Rocks, Wyandottes and Buff Cochins.

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The association at Iowa Falls, Ia., did itself proud with the show that was held December 13 to 16. We notice a Silver Wyandotte, entered by Mrs. J. A. Rigg, which scored 94¼; a Barred Rock cockerel, from B. R. Bryson, at 93¾; a White Wyandotte, from C. W. Greene, at 94¾; a Langshan cockerel, by H. G. Welton, 94¼; a Black Minorca, by R. J. Bryson, 94½; a Brown Leghorn hen, by J. I. Hayes, 95. There were a lot of good birds in all the leading classes.

GOLDEN BUFF ROCKS.

Only Stock for sale on approval.

O. C. LINK, Lincoln, Neb.

Partridge Cochins, S-c. Br. Leghorns, Barred Plymouth Rocks.

No circular. Write for what you want. I can please you. Mention Journal.

G. D. HOLDEN,
Owatonna, Minn.

Buff Cochins.

of the English Type.

Five grand matings. Eggs put down to $2 per 13. 26 years of breeding and mating of Buff Cochins have gave me some knowledge of how to mate to produce good stock. I have no 100-point birds to advertise, but do raise winners and so do my customers. No circular.

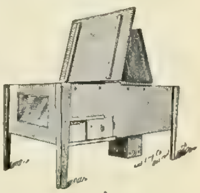
ALEX BICKET,
Expert Poultry Judge, Tilden, Randolph Co., Ill.

Games and Pigeons.

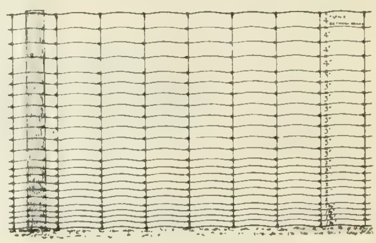
Eggs for hatching. B. B. Red and Red Pyle. A grand lot of birds for sale reasonable, if taken quick. Standard B. B. Red Games, Red Pyle Game Bantams, White Fantail and Jacobin Pigeons. Stamp for circular.

F. G. BOUQUET,
Tioga Co. Owego, N. Y.

THE OLD HOMESTEAD BROODER



will care for 100 chicks until they are old enough to go to the roost; the simplest, cheapest and best Brooder made. Circular free. L. BROWN, Sturbridge, Mass.



Don't Do a Thing

until you write us and ask all about Page Poultry Fence. No, it is not a light wire netting. It is a fence, heavy, strong and closely woven. All styles of farm fence constantly on hand.

Page Woven Wire Fenco Co., Adrian, Mich.

Success with Poultry

Treat your poultry like any other business investment. Supply your hens with the necessary working capital and they will repay you handsomely. We supply everything necessary to success in the poultry yard.

Bone Cutters, Incubators, Crushed Oyster Shells, Poultry Grits, Ground Meat Meals, Beef Scraps, Bone, Drinking Fountains, Feeding Pans, Poultry Netting, Condition Powders, Etc. Each the best of its kind, each an element of success in handling poultry.

CUT CLOVER HAY.

Ready for use. Takes the place of grass and green food in the winter. Balances the grain ration, conditions the bowels and doubles the egg product.

$1.75 per 100 Pound Bag.

Illustrated catalogue sent free.

HARVEY SEED CO.
30 Ellicott St., Buffalo, N. Y.

F.B.W.Co.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

REV. JOHN HUGHES, Table Grove, Ill.,
BREEDS FIRST-CLASS
White Plymouth Rocks,
(Empire Strain)
Barred Ply. Rocks and Buff Cochins.
A few very fine W. P. Rock cockerels for sale after first of November.

HOUDANS—Exclusively.
YOUNG BIRDS FOR SALE.
Eggs in season $2 per 15. Eggs after June 1st $1 per 15. I have the Chicago winners as well as the Michigan winners. On July 13 the American Fancier of Johnstown, N. Y., will issue a special edition on the Houdan, copy furnished by the Am. Houdan Club. If you are interested in this noble bird secure a copy.
FRANK W. McKENZIE, Concord, Mich.

WE DON'T RAISE A TRING
but Black Minorcas—Northup strain.
Biggest layers of biggest eggs; biggest winners of biggest prizes. Stock **SOLD ON ITS MERITS.** Eggs **THAT WILL HATCH,** 13, $2; 45, $5. We also "raise" dogs, **DOG GONED GOOD DOGS,** Pedigreed Scottish Terriers at $5 and up.
CORN BELT MINORCA YARDS,
A. A. Christie, Mgr., Smithland, Iowa.

WHITE WYANDOTTES,
A SPECIALTY.
As I will breed nothing but White Wyandottes hereafter, will sell all my Northup S-c. B. Minorcas, Buff Pekin Bantams and Barred Rocks at very low prices. White Wyandottes for sale also. Enclse stamp when writing.
MRS. M. F. MILLER, Shepherd, Pike Co., Ill.

POLISH Buff Laced and White-Crested Black
If you are looking for some good show or breeding birds write me. I can sell you good stock reasonable.
AT MT. GRETNA, PA., '98—16 birds entered, won 7 firsts, 6 seconds, 2 thirds, in hot competition. Send for price list.
D. Lincoln Orr, Box 3, Orr's Mills, N. Y.

S. L. WYANDOTTES
My young stock is the finest yet produced. Correspondence solicited.
A. L. McBRIDE,
812 Delaware st. Kansas City, Mo.

23 Years a Breeder of
BARRED ROCKS.

Have won every winter on birds of my own breeding. 500 choice chicks now ready to sell. Circular free. Mention American Poultry Journal.
JOE FARMER,
Flushing, Belmont Co., Ohio.

Mention this paper.
EVERGREENS
100, 6 to 8 in. $1; 12 to 18 in. $2.50. 100, 2 ft. $10 prepaid. 100, 4 to 6 ft. 5 varieties, $15. 45 choice Fruit trees, 20 varieties, $10. **Ornamental & Fruit Trees.** Catalogue and prices of 50 great bargain lots **SENT FREE.** ☞ **Good Local Agents Wanted.**
D. HILL, Evergreen Specialist, Dundee, Ill.

MASCOTTE
Incubators and Brooders

represent unequaled value in machines of this class. They are made to hatch and brood chicks and they do it with great regularity. They never fail because they are made so
They Can't Fail
even in the hands of the inexperienced. Provided with regulators that **will regulate,** controlling the **heat and ventilation perfectly.** Handsome and **durable** in construction. Sold under a positive guarantee to do as recommended or money refunded. Write for **FREE** catalog and guarantee.
Mascotte Incubator & Lumber Co. Box 23, Bedford, O.

ST. LOUIS SHOW.

The fifth annual exhibition of the St. Louis Fanciers' Association closed December 17. The catalogue was a handsome book. Over 1,700 entries were made in poultry and pigeons. Butterfield and Bridge judged the poultry. J. Gavin and Robert Jon judged the pigeons. The show was a grand success.

The date of the next show was fixed January 1 to 6, 1900, with the same poultry judges as this year.

The awards in the leading classes were:

S-c. B. Leghorns—S. G. Martin, St. Louis, 1st cock 93, hen 92¼, pullet 94¼, and pen, with 2d. 3d to same. J. D. Clarkson, Baldwin, Mo., 1st cockerel 94 and 2d pullet and pen.

Barred Plymouth Rocks—1st pen Ed. Craig, Albion, Ill. This class scored low, the highest cock being 88 to Geo. Uthoff, St. Louis; 1st cockerel, Mrs. Eugene Hollard, Highland, Ill., 92½; 1st pullet, R. G. Jordan, Jr., Ferguson, Mo., 92¼.

White Plymouth Rocks—Mainly to W. W. Henderson, Bridgeton, Mo., on scores to 92½ on 1st cockerel.

Buff Leghorns — Geo. Uthoff, St. Louis, won 1st on cock. Geo. Reip, St. Louis, 1st on cockerel 92¼. L. P. Harris, Palmyra, Neb., 1st pullet, 94¼. This class was cut hard.

Black Leghorns—The honors went to Geo. Uthoff.

R-c. W. Leghorns—J. A. Leland, Springfield, Ill., took the bunch.

S-c. W. Leghorns—This class held up, with 94¼ for 1st hen. Geo. Uthoff and Sid Brooks of Bedford, Ind., took honors, the latter first on pen.

Silver Wyandottes — Henry Steinmesch, St. Louis, took 1st on hen, cockerel, pullet and pen, coming in competition with Campion & Beck, of St. Louis. Scores of 94½ and 94 were numerous.

Buff Rocks—The cutting was close. B. E. Johnson of Kirkwood, Mo., held the most ribbons.

Buff Cochins — W. A. Koppey, St. Louis, had a 93½ pullet, while Louis Cullman of St. Louis took 1st on cock, hen, cockerel and pen. His cards went 91 on cock, 92½ hen.

Light Brahmas—This group went to E. B. Smith, Bridgeton, Mo.

Golden Wyandottes—M. C. Flesh, St. Louis, took the prizes.

Black Minorcas—The main awards went to J. A. Lander, Carterville, Ill.

Bronze Turkeys—The ladies made the winnings in this class. Mrs. William Rogers, Ellsberry, Mo.; Mrs. B. Mackey, Clarksville, Mo., and Miss Jenny Ferry, Ellsberry, Mo., being the chief prize takers.

The Langshans were weak. The Polish, French and Games were fairly represented. The pigeons claimed their usual attention.

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PETOSKEY, MICH., SHOW.

Petoskey, one of the gems of Michigan's many summer resorts, held the second annual show December 13 and 14, 1898. There were some 225 birds in the show room, beside a display of pet stock. The attendance was good, the quality much improved over the first annual, and Judge Frank W. McKenzie, of Concord, Mich., gave satisfaction, imparting many hints on care, fitting of show birds, also on utility or farm poultry. The officers of the association were polite, obliging, business-like, and evinced a spirit of progression. The fanciers showed great interest, the attendants purchased birds, and the management more than cleared expenses. Among the classes on Barred, White and Buff Plymouth Rocks were found some almost ideal birds. The winning Barred cockerel and the White cock were the gems of the show in the Rock line. The Houdans, White Wyandottes, Leghorns, some Bantams, and the Turkeys were up in quality. A. M. Coburn was a winner on White Rocks and in other classes.

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SALINA, KAS., SHOW.

Editor American Poultry Journal:

A good show was held here December 12 to 17. The Leghorns were in fine form, scores reaching 94¾ in Browns, 94 in Whites, and 91¾ in Buffs. Wyandottes were well represented. Barred Plymouth Rocks were only fair, but the Whites went to 94½. The various classes were commendably represented. The association elected J. T. Hayward president, J. W. Blair vice-president, W. C. Sherrill secretary, W. W. Perry treasurer, and A. J. Kearns superintendent.

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BELLEVILLE, ILL., SHOW.

There were some good specimens shown at Belleville, December 13 to 16. Alex Bicket made a string of winnings in Black Minorcas and Buff Cochins. The best scores were made by C. E. Walker's Black Minorca pullet, 95½, and Brown Leghorns, 94¾; Peter Nea's White Wyandotte hen, 95¼; H. C. Eckert & Son's Black Langshan pullet, 96; John F. Hacker's Bantams; A. Stayzinger's White Leghorn cockerel, 93½, and S. S. Hamburg, 93½, and W. C. Ellsman's Partridge Cochins, 93¼. Geo. H. Helms was secretary.

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JACKSONVILLE, ILL., SHOW.

Strong competition was encountered at Jacksonville in the more established classes. Reynolds & Biggs had a Black Langshan hen at 93; R. B. Kennett scored several Brown Leghorns at 94; Reynolds & Biggs were 95½ on White Leghorn hen and pullet; J. A. Leland showed 94½ on R-c. White Leghorn hen; Ella Bacon had some fine Brahmas and Cochins. The Rocks and Wyandottes held good place, and the general classes were well sustained.

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PALMYRA, ILL., SHOW.

Palmyra called out a goodly number of fanciers December 20 to 23, and some of the classes were admirably filled. The Barred Rocks went up to 93½, the Buff Cochins to 94½, the Silver Wyandottes to 92½, the White Rocks to 95¾. The next show is set for the corresponding week in 1899.

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MOBERLY, MO., SHOW.

There were numbers of birds in the leading classes at the Randolph County, Mo., show which went to 95. Among the principal winners was, in White Wyandottes, L. H. P. Northrup, Moberly, 1st on cock, 9¼; 1st on hen, 96¾, 2d on hen, 96¼; 3d on hen, 95¼; 1st on pullet, 95¾; 1st on pen, 187¾.

HOOPESTON, ILL., SHOW.

Editor American Poultry Journal:

At the Hoopeston fanciers' exhibition about 400 fowls were entered from that part of Illinois and Indiana. There were some fine specimens, showing that there are pure bred birds in most communities. The officers of this association are gentlemen and worked hard to have a large exhibition, and it is hoped next year they will have a show double in size, with the same officers to run it. It was supposed that Danville would have a large exhibit at Hoopeston, but for cause they did not come, which was perhaps to their own loss, as well as a few who were nearer. Could the Hoopeston and Paxton associations be united a big time might be expected.

BERT KEITH.

SPRINGFIELD, O., SHOW.

An excellent quality of stock marked the exhibit at Springfield, O. Among the leading winners were G. M. Leffel, of Springfield, who had some very fine Barred Rocks ranging from 94½; Mrs. J. M. Sinson, South Solon, O., White Rocks, with a pullet at 96½; C. R. Converse, Springfield, Golden Wyandottes, 94 on young stock; and L. E. Parrett, Washington C. H., with 96 as the top on S-c. W. Leghorn pullet. A number of fowls touch 92 and 93. The meeting was eminently successful.

MONTICELLO, WIS., SHOW.

The Southern Wisconsin Association made a good beginning at Monticello. There were 73 B. P. Rocks, 84 W. P. Rocks, 44 S. Wyandottes, 26 W. Wyandottes, numerous Asiatics and Mediterraneans. The work was mainly amateur, but the results were beneficial. The association is full of enthusiasm. A good show may be looked for next year. The management is in the hands of H. H. Walser, Monticello, Wis.

PRINCETON, ILL., SHOW.

One of the best shows, in excellence of stock and numbers, that was seen in Illinois this year. This was the fourth annual exhibition. The Rocks were up in the nineties, W. N. Smith being fortunate in these and the Wyandottes. There was a good class of Javas, and a fair show of Brahmas. The Cochins fell down. The Langshans held well, under the entries made by the Struther Sisters, one pullet reaching 94¾. The Leghorn classes were strong, Mrs. E. C. Cole winning individual honors and the Mediterranean sweepstakes. Ducks and Turkeys were very fine.

The Prophetstown, Ill., show report indicates a high grade of exhibits, but no personal addresses are given. If any of our patrons made winnings—and this applies to all shows—we shall be pleased to mention them on receipt of the information.

A club has been formed by fanciers in and near Milwaukee, with rooms at 19th and Wells streets. The officers are: President, R. K. Curtis; vice-president, Emil Raasch; secretary, Jas. Greenwald; treasurer, L. H. Waisner.

FOR SALE, BUFF P. Rocks, Leghorns and Wyandottes.

Also a fine lot of White P. Rocks, Single-comb White and Brown Leghorns and White Wyandottes at $1 and $2 each. Will please you or birds may be returned at my expense. Address

WALTER COX, 64 Grand ave., Washington, N. J.

WHITE WYANDOTTES

Large in Size. Strong and Healthy.

(Mack and Duston strains)

Splendid young stock for sale. Orders booked for eggs—early delivery—13 for $2; 26 for $3.

F. A. BLANCHARD, 207 W. Main st., Louisville, Ky.

Stock For Sale from **PRIZE WINNERS** at the Chicago Shows of 1897 and 1898.

Barred, White and Buff Plymouth Rocks, Silver Laced, Golden, Buff and White Wyandottes, Black Langshans, W. F. B. Spanish, Black Minorcas, Buff Leghorns, Light and Dark Brahmas, Buff and Partridge Cochins, Houdans, Hamburgs, Golden Polish, C. I. Games, Golden Sebright, B. B. Red Game, Golden Duckwing Game Bantams, Pekin Ducks, Toulouse Geese, M. B. Turkeys. Write for catalogue.

J. I. DeLancey, Elgin, Ill.

Light Brahmas,

EXCLUSIVELY.

MATINGS '99—Pen No. 1. Son 1st prize ckl. Washington, D. C.; fine comb, hackle; pure white back, good toe feathering, black wings. Weight 10 lbs. Mates, 6 hens and pullets, scoring 93 to 94½. Eggs $3 for 13; $5 for 26.

Pen No. 2. Half brother to cockerel in pen No. 1. Not as good in wing, comb nor color of back. Weight 11 lbs. Mates, 8 pullets, scoring 91 to 93. Eggs $2 per 13 straight

Some Nice Cockerels For Sale.

REV. W. H. HORMEL, Rutledge, Mo.

Winners.

Our birds won the best prizes wherever shown during the past winter and the superior matings in our breeding yards this season have produced stock that can and will win at the coming winter shows and fall fairs. Do you want such stock? LARGEST POULTRY PLANT in Ohio. This country's best Turkeys, Geese, Ducks, Chickens, Guineas, Peafowl, etc., etc., etc. Address

CHAS. McCLAVE, 416 Ashland st., New London, Ohio.

First Prize Buff Leghorn Cock, New York '98

S-c. White Leghorns and Buff Leghorns.

My Buff Leghorns have for the past two years been awarded the best prize at the great New York show, i. e., first on breeding pen. I have a grand lot of chicks at reasonable prices, sired by such famous males as headed the first prize pen at New York in '97 and the first prize pen in '98 and the first prize cock (see cut) in '98. My S-c. W. Leghorns have won high distinction at New York for the past five years. I can furnish almost anything you might want in either variety. CATALOGUE.

EZRA CORNELL, Ithaca, N. Y.

50-Egg Size $5

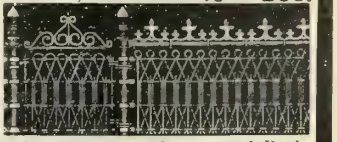
One Million Testimonials *are not so convincing as the* ***30 Days Trial Free***

We offer on every incubator we make. No matter how cheap. No regulator has ever approached in efficiency our Patent Pneumatic Regulator with which over heating is impossible. You may have chicks hatching every day in the week, with our Compartment Incubator. Among hundreds of others Mrs. M. T. Duval, Old Church, Va., never before saw an incubator, yet with our Bantam hatched 50 chicks from 57 eggs. You can do as well. Send 4 cents for No. 2 Catalogue.

BUCKEYE INCUBATOR CO., Springfield, Ohio.

HORSE-HIGH, BULL-STRONG, PIG-TIGHT.

Is a Legal Fence in several states and by general usage in all. With our **Steel Frame Automatic Ball-Bearing Duplex Machine** you can make such a fence at the actual cost of the wire, which is from **10** to **20c.** per rod. **FIRST PREMIUM** and **GOLD MEDAL** on **Machines, Farm** and **Ornamental Fence,** at the Trans-Mississippi and International Exposition, Omaha, Neb. Ready-made farm fence in the Roll. Plain and Barb Wire and our Self-regulating **Coiled Spring Wire** to farmers at wholesale prices. 25 styles of Ornamental, Park, Lawn and Yard Fences, Farm and Lawn Gates. *Catalogue Free.*



KITSELMAN BROTHERS, Box 15 Ridgeville, Ind., U. S. A.

Some Nice Barred Plymouth Rock

Cockerels and Pullets for sale cheap. Stock first-class and prize winners. Satisfaction guaranteed. Address

E. F. PEIRCE, Catawba Island, Ohio.

None Better.

Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.

D. T. HEIMLICH,
Jacksonville, Ill.

BUFF COCHINS,

(Oakland Farm Strain).

Plymouth Rocks,

(I. K. Felch Strain).

Prize winners now for sale. Stock mated to get exhibition birds. If you want satisfaction try me. Eggs $2 per 13. Write to-day to **HORACE R BURT, Austin, Texas.**

D. F. TAYLOR,

"The White Rock Man."

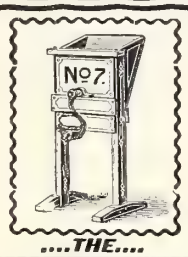
Thirteen years a breeder of "The Empire Strain" of White Plymouth Rocks and White Wyandottes, the two best utility fowls. Winning more firsts and specials on these two varities than any breeder. Quality regulates prices. Show birds a specialty. No circulars. Eggs, $2 per 13; $5 to $8 per 100, according to season.

D. F. TAYLOR, DeRuyter, N. Y.

It's a Fact

That our Rose-comb Brown Leghorns won all 1sts and 2d at Michigan State Fair, under Butterfield. Have some nice show cks. and pullets to spare. May be returned if not satisfactory. Grand show record and catalogue free

S. G. ALLURED, Ionia, Mich.



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BANNER JUNIOR

Root and Vegetable

CUTTER

solves the problem of winter eggs. It cuts all roots and vegetables into fine shavings like apple parings or finer. All poultry, large or small, can eat it readily. ***Make hens lay*** by providing summer conditions in the winter. Our little circular,

"WINTER EGGS"

tells all about it. Mailed free.

O. E. THOMPSON & SONS,
76 River St., Ypsilanti, Mich.

Cornish Indians

Exlusively.

L. B. RICHARDSON,

Importer, Breeder, Exhibitor.

Just in from the farm, finest lot of youngsters I ever bred. Direct descendents of famous cock, "John," whose sire was Frayn's Crystal Palace winner.

Exhibition birds and breeders. Prices reasonable, according to fancy points. New importations coming.

L. B. RICHARDSON,
87-89 Washington st.,
CHICAGO, ILL.

DES MOINES INCUBATOR.

The above is an illustration of the Des Moines Incubator plant, located at the capital city of Iowa. The rapid growth of this concern is one more proof of what can be accomplished in the manufacture of incubators and brooders which have in them the essential features to warrant a public demand.

This company has one of the largest incubator works in existence. Strict attention has been paid to the laying of a rigid business foundation and everything pertaining to their manufacturing departments is of a very substantial nature.

During the past eight months no less than $1,800 has been paid out by this firm for new and improved machinery.

Very few people, even those who are familiar with the operation of incubators, realize that the number of metal pieces required to complete a standard machine (200 egg size) is over 140 in number. Imagine the time it would consume in cutting out that many pieces by the old hand-blistering, snip-shear way.

Within the same period a new two-story building, 35x85 feet, has been completed, and is now well filled with a stock awaiting delivery during the "rush" season. One of the most essential points connected with an incubator business is to be prepared to make prompt shipments. Over seven-tenths of incubators and brooders sold through the year are bought during the three spring months; and when the purchaser has sent his cash even a short delay will cause inconvenience and leave a bad state of feeling.

We believe that the Des Moines Incubator Company and the machines they make have excellent advantages that will pay the contemplating purchaser to investigate. Their '99 catalogue is one of the finest that we have seen, showing their most popular machines in colors. It also contains a varied amount of practical information of a nature that makes it a book of value in the hands of every poultryman. Six cents, the price they ask, is a small charge compared with what it costs.

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Kirkpatrick & Gundlack, Lincoln, Ill., report that they "are much encouraged" by their ad in A. P. J.

A BALANCED RATION.

Every poultryman of experience knows that certain foods will produce fat in hens while others will produce eggs. They know that fat is fatal to best results in egg production and that eggs from excessively fat hens are deficient in vitality and will not produce strong, healthy chicks. The obviation of these several difficulties lies in the striking of the happy medium — the feeding of a food that will sustain the hen in strong, healthy working condition, and with a tendency to egg production; something that is rich in egg making material. Such a food would be a balanced ration; one which contained the proper food elements in just the correct proportions to produce the best results. A poultry food of that kind is being prepared by the Harvey Seed Company, of Buffalo, N. Y., who are large dealers in all kinds of poultry supplies. This Electric Poultry Food is made entirely of cereals and produces excellent results for laying hens and growing chicks. Write these people for their catalogue of pigeon and poultry supplies, which tells all about it.

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PETALUMA INCUBATORS.

Only a few days ago the Courier mentioned the fact that the Petaluma Incubator Company was operating its factory on full time, with a large force of men, that the season was at least one month earlier than usual, and that the management in anticipation of a vastly increased trade had prepared itself in all departments of the work to handle orders for any number of machines.

The completeness of the system in manufacturing and in handling orders for machines in large numbers may be judged by the ease with which the company is filling an order received on the last mail from Australia, 122 incubators. This order, large as it is, will be shipped and on its way across the water in five or six days, and will in no way interfere or affect the prompt delivery of machines to local or domestic customers. The factory is now running day and night with an increased force.—Petaluma Courier.

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I. T. Bryant, Oxford, O., reports splendid results from his ad in A. P. J., which was on 30 words.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

PROPOSAL FOR A TRIAL.

Editor American Poultry Journal.

It is not infrequent that I get a letter from a would-be customer inquiring especially about the egg producing qualities of my Leghorns; and as it is sometimes difficult for me, in all honesty, to inform him that they have an average record of over 200 eggs per annum, he goes elsewhere, where they breed that sort of stock. I have just received a letter from a man evidently preferring Buff Leghorns, but who has evidently an idea that the Minorcas are superior, and especially the Rose-comb variety. I bred Minorcas for a number of years with some success—that is, from a fancier's standpoint—but never found them to be phenomenal layers. I have also tried some of Mr. Wyckoff's White Leghorns, but they didn't do as well for me as for Mr. Wyckoff.

Now, for the benefit of poultry breeders, I propose that Mr. Wyckoff, who breeds for eggs; Mr. Northrup, who claims so much for his Rose-comb Black Minorcas, and any other breeder who has hens that "lay," send a certain number to some reliable Experiment Station for a trial. I will, in behalf of Buff Leghorn fanciers, present an equal number of Buff Leghorns bred from exhibition stock, to compete against them. I don't wish to convey the idea that I doubt any claims made by these gentlemen. All that they claim may be true; but will they do more than, say, Buffs, in the hands of a third party? If they will, the winning of such a contest will be a good ad for either of the gentlemen.

EZRA CORNELL.

Ithaca, N. Y.

A CHANGE OF OWNERSHIP.

We wish to call the attention of our readers to the advertisement of W. J. Adam in this issue. This gentleman is advertising a green bone cutter over his own name. We wish to explain that this bone cutter was formerly the Premier, and is therefore not entirely unknown to our readers. Mr. Adam recently purchased the entire business and removed it from Cazenovia, N. Y., to his factory at Joliet, Ill., where with every facility for manufacture he is prepared to supply the demand for this popular machine. This is the machine, and the only one of its character, so far as we know, that is equipped with ball bearings, which makes it run so easily. We know this machine to be a good and reliable one and can say that Mr. Adam comes to our columns well recommended and we ask generous treatment for him at the hands of our readers.

Rowland Hill and S. C. Taylor, owners of Rapid Run Poultry Farm (with address, for convenience, Station F, Cincinnati, O.), have 60 acres free country range and raise White and Silver Wyandottes and Pekin ducks exclusively. They have added 25 fine birds from Detroit show, among them Butterfield's imported Lancashire cockerel and 1st pullet, Silvers, and 2d prize W. W. cockerel. Their pens for eggs are grand, but prices are low. Mention A. P. J. and write them.

1885 —IF YOU WANT THE BEST— 1899

Bronze Turkeys, Barred P. Rocks, White Wyandottes, Buff P. Bantams and Embden Geese, write me for prices. I also breed prize-winning Oxford-Down Sheep. Mention A. P. J.

W. N. SMITH, Ohio, Ill.

High Class BLACK LANGSHANS Prize Winners

Large, fine shaped, beautifully colored exhibition birds and breeders for sale.

STRUTHERS SISTERS, PRINCETON, ILL.

High Class S-c. White Leghorns.

If you are looking for cockerels or pullets that will carry off their share of the prizes at the coming winter shows, we can supply you, at living prices. Can also spare a few more W. C. Black Polish chicks.

E. E. GREER, Beatrice, Neb.

LEWIS G. PLEISS, New Albany, Ind.,

Breeds, Sells and Exhibits

FIRST PRIZE WINNERS

—IN—

Light Brahmas and Buff Rocks.

Young stock for sale that will win. Eggs in season.

BARRED PLYMOUTH ROCKS, Bradley Bros., E. B. Thompson, J. H. Thompson and A. C. Hawkins strains.

SINGLE-COMB BROWN LEGHORNS, Forsyth, Howell and Bright strains.

SINGLE-COMB WHITE LEGHORNS, Klapp Bros. strain.

I have a grand lot of youngsters for sale. Also some of last season's breeders, bath males and females. I you want a fine male, pair or pen, write me. I guarantee satisfaction.

Box 100. GEORGE H. BIE, Station A, Racine, Wis.

1000 Selected Birds.

BARRED & WHITE PLYMOUTH ROCKS,

Brown and White Leghorns,

LIGHT BRAHMAS, TOULOUSE GEESE,

PEKIN DUCKS, ROUEN DUCKS.

All farm-raised. Big fellows. Satisfaction guaranteed.

W. A. HOYT, Whitewater, Wis. Meadow Glen Poultry Yards.

The Cedar Rapids Grit—The Grit that Grinds.

Everyone that tries CEDAR RAPIDS GRIT is a patron for life, surpassed by none in sharp cutting edges. Put up in four sizes and approved by best fanciers.

INTRODUCTORY PRICE, two 100 pound sacks, any size or sizes, for $1.50.

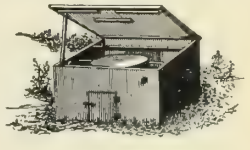
This Offer for This Month Only.

THE CEDAR RAPIDS GRIT COMPANY, - - Cedar Rapids, Iowa.

ILLINOIS INCUBATORS AND BROODERS

are sold under a positive guarantee to be perfect hatchers and brooders. These are among the reasons why—Because the Incubator is perfect in the proper application of heat; because it is perfect in ventilation; perfect in control of moisture; perfect in size of egg chamber and has a perfect nursery for chicks just hatched. This same degree of perfection applies to the Brooder also. This incubator is packed with asbestos and completely incased in iron, making it fire proof and impervious to sudden changes in temprature. Made in several sizes, from 50 egg up. Don't buy an Incubator or Brooder until you get our FREE book, "ILLINOIS." J. H. JONES, Box 55, STREATOR, ILL.

Clover Meal--$5 Prize Brooders



Clover Meal will insure the egg yield in winter; it will insure more and stronger fertilized eggs; it will keep the hens in good health and vigor; it is equally as good for newly hatched chicks as it is for matured hens; it will add to the luster of the plumage; it will assist in putting those choice birds in the pink of condition for exhibition, and it is especially good for moulting hens. Clover Meal is a boon to the poultryman, and is endorsed by all who give it a trial. Clover Meal is far superior to cut clover, from the fact there is no waste, and every particle is rendered digestible, as there are no whole stems or heads as is the case with cut clover; and where poultrymen are obliged to buy green food, Clover Meal will be found to come nearest to the summer runs of any article on the market.

We have the advantage over our competitors and can save our customers from $2 to $4 a ton freight and from two to four days in getting their Clover Meal. Our mill is at Jordan, N. Y., 17 miles west of Syracuse, on the New York Central and the West Shore railroads and Erie Canal.

Price of Clover Meal $2 per 100 lbs.

Put up in 50 and 100 pound sacks. Send for sample and free catalogue. We also manufacture the

Famous $5 Prize Brooder.

It stands without an equal as a complete brooder home, summer or winter.

JORDAN MILLING CO., Jordan, N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

IN MEMORIAM.

The poultry fraternity has met with an irreparable loss in the death of H. D. Mason, who died at his home in Fabius, N. Y., December 5, 1898, of neuralgia of the heart, aged 60 years. Mr. Mason had been in poor health for several years, but had been able to attend to his business and care for his fowls, so the news of his sudden death came very unexpectedly to his many friends. He was a quiet, reticent man, never flattering or making very many intimate friends, yet kind and genial to all; never violating a trust or breaking a promise, and very firm in his stand for right and temperance.

He had been breeding Golden Wyandottes for many years and had been improving and perfecting his strain yearly till he had undoubtedly one of the best flocks to be found in the United States. He was a true fancier and took great pride and delight in caring for his pets, and his victories at our best shows bear eloquent testimony to his skill as a breeder and exhibitor. MRS. J. G. OSBORNE.

The somewhat novel cut we present herewith is a reproduction from a photograph taken in S. B. Johnston's Mammoth Bronze Turkey Yards at Boggstown, Ind. This turkey hen has taken numerous first prizes at Indianapolis and elsewhere. She weighs 32 pounds in show condition, and was pronounced the finest in symmetry and markings of any bird of her size ever shown. This hen is the concentrated result of ten years' experience in selection and breeding, and would seem to justify this long period of patient effort. Some idea of the size of this bird may be gathered from the fact that the boy, who is four years old, weighed exactly the same amount.

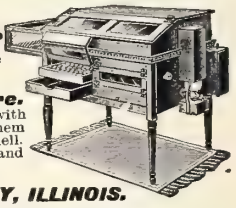
Mr. Johnson reports that the mate of this hen is a delicate little tom weighing only 50 pounds in show condition. He does not think that these extra large birds are the best for breeding purposes, and thinks that the medium sized birds are more profitable, as they are better layers and more active generally.

The gentleman reports that he has a more than usually fine lot of young birds and will be better prepared than ever to supply his patrons with eggs this season. By referring to his ad, which appears on another page, it will be observed that Mr. Johnson has eggs of other fowls for sale.

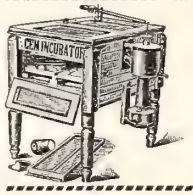
EVANS VEGETABLE AND ROOT CUTTERS

Hens consume large quantities of grass and other green food when they can get it. They can't get it in the winter when every green thing is frozen up. Our Vegetable and Root Cutter supplies these deficiencies. It cuts all kinds of roots and vegetables—beets, carrots, turnips, cabbage, potatoes, etc., into fine pieces like angle worms. All fowls, big and little, eat them easily and greedily and thrive upon them. They double the egg crop and make hens lay in the middle of winter when eggs are worth the most money. Feeding roots thus prepared saves 50% of the grain feed. They turn easy, cut fast and last indefinitely. One will pay for itself quickly in the increase of eggs it will produce. Made in four sizes. Price, $1. and up Leading poultrymen and editors endorse it. Circulars free. EVANS MANUFACTURING CO. Dept. B, Ypsilanti, Mich

The Peerless Incubator Hot Air or .....Hot Water machines, as you prefer, are Perfect in the application of heat, ventilation and moisture.



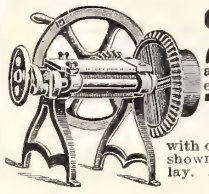
Either combined incubator and brooder or single machines. The only machine with a specially constructed Nursery for Chicks under the Egg Tray. Removes them from the intense heat and saves the tenderlings that have just come out of the shell. We also handle a full line of Poultry Supplies all bearing the standard brand "Peerless" Write for what you want. New Catalogue, 4c. in stamps. Better send for it at once. THE PEERLESS COMPANY, Box 33, QUINCY, ILLINOIS.



The GEM INCUBATORS and BROODERS

are first-class, up-to-date machines, with O. K. regulator and with self-cleaning egg chamber and nursery they are way up "G." Over 100 in use within ten miles of home. Everybody pleased with them. Try them 60 days, if not satisfied, send them back and get your money. Prices low. Freight paid. Send for free catalogue. Address the manufacturer.

J. W. SAUER, Trotwood, Ohio.



25 CENTS A DOZEN FOR EGGS

That's what every dozen of your eggs will bring if you have them at the proper time. Green Cut Bone makes hens lay in winter, when eggs are worth most money. The best way to prepare the bone is with

The Dandy Green Bone Cutter

with or without gear. They cut fast, cut fine, and only take a little power. Machine here shown is for hand power; cuts 25 lbs. per hour. Makes little chicks grow, makes big hens lay. A dozen styles to select from. Get free catalogue before buying.

STRATTON & OSBORNE, BOX 17, ERIE, PENNSYLVANIA.

A Popular Combination.

We will send you AMERICAN POULTRY JOURNAL, one year, and Geer's Poultry Book,

"The Chicken Business, How to Make it Pay,"

post-paid for 60 cents. Try it.

AMERICAN POULTRY JOURNAL, 325 Dearborn st., Chicago, Ill.

BROWN LEGHORNS Head the Procession when from Brattain's Exclusive Yards.

WON at Oxford, O., Dec. '98, under Pierce: 1st cock, 92½; 1st, 2d, 3d cockerel, 94½, 94, 94; 1st hen, 94½; 2d tie 94; 1st, 2d pullet, 95½, 94½; 1st, 2d pen, 189¼, 187½, and all specials. Can furnish anything from crack show bird to a $2 breeder.

E. C. BRATTAIN, B. Leghorn Specialist, Connersville, Ind.

CRESCENT FARM, KENT, OHIO Box A. U. S. A.

Buff Cochins. Winners at *Madison Sq. Garden, New York, Buffalo, Cleveland and Elmira.*

White Leghorns. Winners at Buffalo and Cleveland last season.

We Can Furnish from the above stock. Also first-class breeding stock Send for Catalogue.

REV. HENRY M. LADD, Prop.

Address E. T. BLOOD, Mgr.

E. O. SUTTON,

Canton, Mo.

Stock and eggs for sale in season.
Write your wants.

—BREEDER OF—
EXHIBITION BARRED
Plymouth Rocks.
MONARCH STRAIN.

Walnut Grove Poultry Yards

Barred Plymouth Rocks, Exclusively,

Seven breeding yards for 1899 composed of prize winning males and females. Male's score 91 to 93. Females 90 to 94½ by Shellaburger, Snyder and Pierce. 50 cockerels and 75 pullets. Good breeders for sale. Cards by authorized judges. New illustrated circular ready February 1st. Get one before placing your egg orders; free if you mention A. P. J. Satisfaction guaranteed.

O. L. KING, Walnut Grove, Ill.

BUFF COCHIN BANTAMS, Exclusively.

Have some fine young stock, bred in line from winners at Crystal Palace, Eng., New York, Boston, Cleveland, Kansas City, etc., for sale at from $4 to $10 per pair. No eggs.

CLARENCE HENDERSON, Springfield, Ohio.

TIBBETT'S CHICAGO WINNERS.

Barred Plymouth Rocks | Look up Their Record. | **Chicago, Ill., Jan. '99,** 2d cock 91¾; 2d pen 185¼; 5th ckl. 93; 4th, 5th pullets 92½, 92½.

Choice Stock For Sale—Farm raised, good size clear color. If you want the best you can buy, be sure and write me. Circular and show record free if you mention AMERICAN POULTRY JOURNAL.

H. TIBBETTS, Neponset, Ill.

GEER'S EGG PLANT.

1884 - EGGS! EGGS! - 1899

Choice S-c. Brown Leghorn and Barred Plymouth Rock eggs, $1.50 per 13. Fair reduction on large orders. Healthy fowls, hardy chicks, and satisfaction to customers is my endeavor. Egg Circular FREE.

H. B. GEER, Nashville, Tenn.

"IDEAL" BONE CUTTERS
WITH ROLLER BEARINGS. FREE CATALOGUE

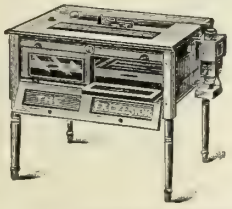
INCUBATOR BUTTON

CHAPMAN MFG. CO.
WEST UPTON, MASS.

No. 2. DRINKING FOUNTAIN — GRAIN ROLLER — BOX 813

Hatch Chickens by Steam,

with the simple, perfect, self-regulating

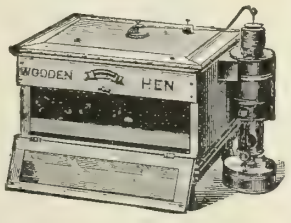


Excelsior Incubator,

Thousands in successful operation. Guaranteed to hatch a larger percentage of fertile eggs, at less cost, than any other hatcher.

Lowest Priced First-class Hatcher Made.

THE WOODEN HEN,



The most efficient incubator for raising poultry on a small scale ever invented. A perfect hatcher—automatic, self-regulating, thoroughly constructed, fully guaranteed.

50-egg Capacity.

Catalogue free.

GEO. H. STAHL,
Patentee and Sole Manufacturer,
114-122 S. 6th st., Quincy, Ill.

THE COMBINATION INCUBATOR

is the latest and best thing out, made by the oldest and most reliable incubator factory in the U. S. We call this the incubator of our life, because we have had to accomplish two hard things in making it, best quality, lowest price; either one singly is easy; both combined—well, we do not need to say it was hard to do. But we have done it. If you are interested write for particulars. Book on roup, how to cure and prevent, 50 cts. Testing and hatching chart, $1; both at once, $1.25. 100-page catalogue of incubators and brooders, 5 cts. or stamps

J. L. Campbell,
West Elizabeth, Pa.

Golden and White Wyandottes.

Our Goldens have won the lion's share of prizes at New York for four years; also at World's Fair and many of the largest shows of the world for past 13 years. Our Golden and Silver Sebrights have won equally as well at same shows. Rich in imported blood. We have hundreds of fine young and old birds to spare at reasonable prices, from line bred birds only. Also Buff Laced Wyandottes. Large circular.

IRA C. KELLER, Box 75, Prospect, Ohio.

FOR SALE,

My entire flock of

Blk. Breasted Red Game Bantams

Must be sold at once. Prize winners at Youngstown, Ohio, 1898, to be sold cheap. Write for particulars and prices.

W. C. JOHNSON, Girard, Ohio.

At Columbia City, Ind., Poultry Show, held Jan. 11-15, won on

Buff Leghorns

First on pen, second on cockerel, second and third on pullet. Arnold strain. Eggs for hatching $1.50 per 13.

WILLIAM RUDI, Bourbon, Ind.

Our Southern Home.

A 60-page monthly journal, at 50 cents per year, devoted to Immigration, Southern Poultry Breeding, Bee-Keeping, &c. Also a chapter on gold, mica and other mining each month in North Carolina. Lands and small farms to exchange for poultry, live stock or cash. Send two one cent stamps for sample copy. Address

M. H. PRIDE, Publisher, Mount Holly, N. C.

MONEY IN HONEY!

The Weekly American Bee Journal
Tells all about it.
Sample Copy Mailed Free
G. W. YORK & CO.
118 Michigan St., CHICAGO, ILL.

Fancy Pigeons For Sale.

Pouters, Archangels, black, white and blue Fantails, black, white, blue, yellow Muffed Tumblers, Black and Red Magpies, Red Jacobins, Black Trumpeters, Black Swallows, yellow and light blue Helmet Tumblers. I just received 24 prizes on 25 pairs of my pigeons at the largest poultry and pet stock exhibition held in the West at Cedar Rapids, Iowa, 500 pigeons in competition. I also won the Niles special prize and sweepstakes for finest collection of fancy pigeons. Prices way down. Address

P. NEWCOMB, box 355, Cedar Rapids, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Hamm's Buff Plymouth Rocks

Were Never as Fine as this Year.

Eggs—according to pen—$3, $4 or $5 a sitting.

I now offer my patrons ***Exhibition Birds*** in cocks, hens, cockerels and pullets, ***bred up to the Highest Standard.***

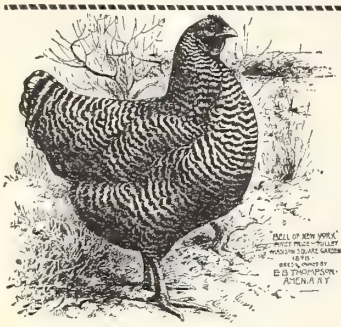
Breeding Stock at a Very Low Figure--Quality Considered

in either old or young stock. Write for circular and further information regarding

America's Best Strain of Buff Rocks.

G. W. HAMM,

Battle Creek, Mich.



1st Prize Pullet at New York.

The "Ringlets" Soar Still Higher.

At NEW YORK, FEBRUARY, 1898,

E. B. Thompson's Barred Plymouth Rocks Again Won

all the **Sweepstakes Cups and Trophies,** including the **Superb Challenge Trophy, value $100,** for best cock, cockerel, hen, pullet and exhibition pen; **$100 Sterling Silver Cup** for best exhibit; **Grand Special Sweepstakes Cup, value $100,** presented by the **President,** for best P. Rock cock, cockerel, hen and pullet, **any variety.** My

Clean Sweep of 1st, 2d, 3d, 4th and 5th Prizes on Pullets

has never been approached in Madison Square Garden, and stands **alone** and **unequalled.** The record of both **1st and 2d prizes** on breeding pen was also **phenomenal.**

At **Madison Square Garden, 1895, 1896 and 1897,** my Barred P. Rocks won nearly **three times** as many 1st prizes as any other exhibitor and **more 1st prizes** than all competitors combined, besides **twice as many Cups and Specials** as all, including **$100 Cup** for best display, the **Challenge Trophy** and **American Poultry Association Cups** in '97 for best cock, ckl., hen, pul. and breeding pen.

GRAND STOCK FOR SALE. Show birds fit to win in the fastest company. Elegant breeders in any number. ***Eggs from finest exhibition matings, one sitting $5, two sittings $9, three sittings $12.*** Richly illustrated catalogue on application. Address

E. B. THOMPSON, Box 510, Amenia, Dutchess Co., N. Y.

Mammoth Bronze Turkey Farm,

Home of the Famous

National Strain of Mammoth Bronze Turkeys,

which have won more first prizes in the past four years than all competitors combined. That too in the hottest of contests. They won **SWEEPSTAKES** at the great **SILVER CUP SHOW** at Kokomo in a class of **TWENTY-TWO BIRDS.**

A Clean Sweep at Indiana's Great State Show.

1st on cock; 1st and 2d on cockerel; 1st and 2d on hen; 1st and 2d on pullet and 1st and 2d on pen. Also won **HIGHEST HONORS FOR BEST DISPLAY** made three years in succession at Indianapolis.

A Lot of Grand Young Stock For Sale.

See January number for list of prizes won. ***Orders for Eggs Booked Now.*** Send for new egg circulars.

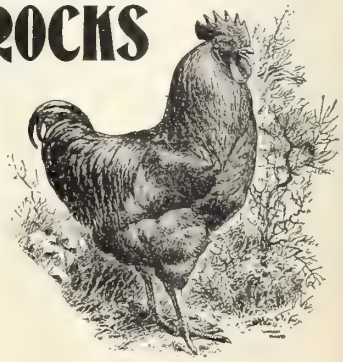
Barred Plymouth Rock Cockerels—We have a fine lot of these grand general purpose birds for sale at a bargain. Write for what you want.

THE FAMOUS STAR INCUBATORS—We handle this excellent machine, together with a full line of **POULTRY SUPPLIES.** Write for free catalogue of incubators and supplies.

SAM B. JOHNSTON & CO., Box 345, Boggstown, Ind.

ARE YOU LOOKING FOR **BUFF PLYMOUTH ROCKS**

with that desirable GOLDEN BUFF COLOR THROUGHOUT, including UNDERCOLOR,



That are good size, and at same time have good combs, and **ENTIRE ABSENCE** of the worst features in the average Buff of to-day—white in plumage and feathered legs? If so, I can furnish you. **200 CHOICE BREEDING HENS AND PULLETS** at $2, $3 and $4 each. Birds that will produce fine stock for some one. **50 CHOICE BREEDING COCKERELS,** $2 to $5. **50 LARGE, HEALTHY, OFF-COLORED PULLETS** at $1 each. Business changes compel me to sell these birds at once. I shall continue to breed Buff Rocks, to their highest standard, as heretofore, and shall have

Eggs From Choice Matings at $2 per 13; $5 per 40.

Money Order and Express Office, Rome, N. Y. Satisfaction guaranteed. Write, stating wants.

R. W. ROBERTS, Box 4, Camroden, N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

You Will Find It on Page 95. Don't Miss It.

AMERICAN POULTRY JOURNAL

PUBLISHED BY
MORGAN BATES & CO.,
325 DEARBORN ST., CHICAGO, ILL.
PRICE, 50 CTS A YEAR. SINGLE COPY, 5 CTS.

The Best Way to Make Money is to Save Money.

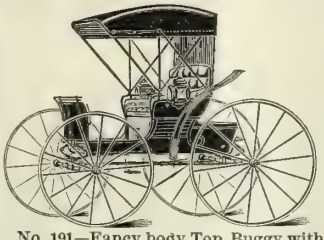
You can save money by dealing with a manufacturer who *buys for cash* and *sells for cash*. Who cuts off all losses and bad debts, all agents' and middle men's profits. ***We Have no Agents and are the Largest Manufacturers of Carriages and Harness in the World Selling to the Consumer Exclusively.*** No matter where you live we can reach you and save you money. We ship anywhere for examination. Every article made in our own factory fully warranted and guaranteed.

No. 707—Extension-top Surrey, with double fenders; is complete with side curtains, storm apron, lamps and pole or shafts. Price $72. Just as good as retails for $110.

Our line consists of Rockaways, Phaetons, Traps, Stanhopes Driving Wagons, Top Buggies, Open and Top Road Wagons Spring Wagons, Delivery Wagons, Milk Wagons, Wagonettes &c.

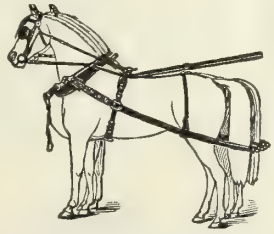
No. 717—Canopy-top Surrey, with double fenders. Price, complete with curtains all around, storm apron, sun-shade, lamps, pole or shafts, $68. Just as good as sells for $100.

When you buy from us you are getting the benefit of twenty-six years of experience and continued success in this method of doing business. Phaetons $55 to $105. Surreys $50 to $125.



No. 191—Fancy body Top Buggy with fenders and side lamps; is complete with side curtains, storm apron and shafts. Price $50. Just as good as retails for $80.

Remember that we have no agents, and that we ship anywhere for examination, guaranteeing safe delivery. We make all sales direct from our catalogue. Top Buggies $36 to $70.



No. 202 is a very good and reliable team harness. Price with X. C. white metal trimmings $19.50. This is about $8 less than others will charge you for a harness no better.

We ship our harness for examination same as we do our vehicles. Our line is most complete and embraces single and double buggy harness, surrey, express, light team and farm harness.

This ad will only appear twice. This may be the last time you will see it. Send for our large free illustrated catalogue at once and make sure of it. It will save you money.

ELKHART CARRIAGE & HARNESS MFG. CO.,
W. B. PRATT, Sec'y. ELKHART, IND

Buff Leghorns.

One of the finest flocks in America. Winners for eight years, Detroit, Bay City, Chicago, etc., '99. Great under-color—can't be beat. Eggs $2 per 13. Send for 8-page circular, free; stamp accepted.

3-2 **GEO. S. BARNES, Battle Creek, Mich.**

Eggs--$1 Per 13--Eggs

Finest of

S-c. Brown and White Leghorns, White and Black Minorcas, Buff Cochins, Light Brahmas, Barred P. Rocks, S. L. Wyandottes. When you want eggs that hatch winners write to

W. J. LINCOLN, Mt. Pulaski, Ill.

Gilt Edge Poultry Farm.

White Leghorn Poultry Farm.

J. J. Burnside, Milligan, Ind.,

Breeder of Single-comb White and Brown Leghorns, Buff Cochins, Golden and White Wyandottes, Black Spanish, Houdans, Light Brahmas and Pekin Ducks. 16 years a breeder.

Light Brahmas,

Exclusively.

Farm raised. Bred for utility. The season of 1898 males were from Challenge strain direct, a noted utility strain. This season's males are from Hartnest strain direct, also a noted utility strain. Eggs, 1 sitting $2; 2 sittings $3.

DANA TWINING,

Frankfort Station, Ill.

Golden Wyandotte Cockerels.

I have a few Golden Wyandotte cockerels scoring from 90 to 94 points by Bridge, for sale.

Also eggs from pen headed by first prize cockerel at Detroit, scoring 94 by Bridge. Price $3 for 13.

JOHN HARMAN, Windsor, Ont.

SIMMONS

Brown-egg White Wyandottes have a record of over 200 eggs in a year. Yard No. 1—10 choice pullets, Hunter strain, mated to a "Stay White" Duston cockerel. Yard No. 2—10 choice pullets mated to an 8-lb. Hunter cockerel. Also breed S c. W. Leghorns, Wyckoff strain. Eggs, 15 $1.50; 45 $3; 100 $5.

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To make room for the breeding pens, we offer for immediate sale, 50 head of Langshans, cocks, cockerels, hens and pullets. We think we have as good Langshans as there are in the West and if you are desirous of securing a high-grade trio or pen, or a choice breeding cockerel, we can surely please you.

Breeding Cockerels, $3 to	***$ 5***
Pairs . . . 5 to	***8***
Trios . . . 7 to	***10***

Large, healthy stock, with majestic carriage and lustrous plumage. Good combs and well feathered legs. Good winter layers. Satisfaction guaranteed. Address

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Owing to times I have decided to sell eggs this spring at half price, as follows:

	Per Sitting		Per Sitting
Buff P. Rocks	13 1.00	Blk. Langshans	13 1.00
Barred P. Rocks	13 1.00	Houdans	13 1.00
White P. Rocks	13 1.00	Buff Leghorns	13 1.00
Light Brahmas	13 1.00	S-c.W. Leghorns	13 1.00
Buff Wyandottes	13 1.00	R-c.W.Leghorns	13 1 00
Silver Wyand'ts	13 1.00	Black Minorcas	13 1.00
Golden Wyand'ts	13 1.00	Im.Pekin Ducks	11 1.00
White Wyand'ts	13 1.00	C. I. Games	13 1.00
Buff Orpingtons	13 3.00	Buff I. Games	13 2.00
Buff Cochins	13 .75	Buff Brahmas	13 2.00

All the above eggs at $6 per 100, except Orpingtons $15 per 100, Buff Indian Games $10 per 100.

Have had 29 years' experience with strains awarded over 300 premiums since 1881, and now having one o fthe largest poultry establishments in America, I feel confident I can please all who favor me with an order. Catalogue free.

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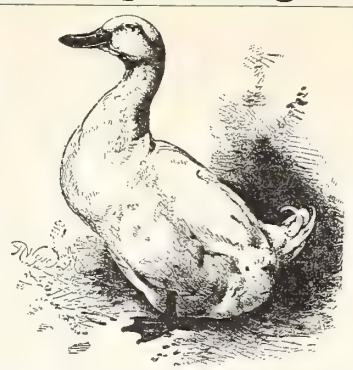

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100 lbs. 75c; ton $7. Cut Clover Hay, 50 lbs. 75c.

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Some fine breeding stock for sale. A special sale of cocks and cockerels. 21 years a breeder of Light Brahmas. Eggs this year only $3 per 13; $5 per 26. A tri-colored Collie female for sale at $10; 9 months old; from trained parents.

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are the easiest to apply, look the best, stay in place better, last longer and are the cheapest bands made. 12, 20c; 50, 50c; 100, 80c; 500, $3.50; 1000, $6.50.

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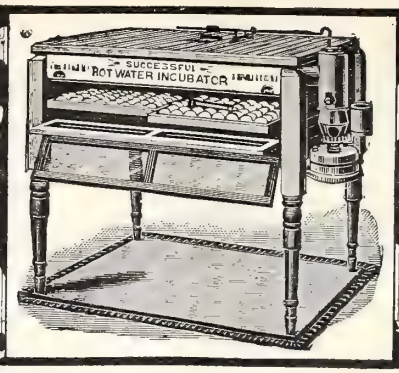

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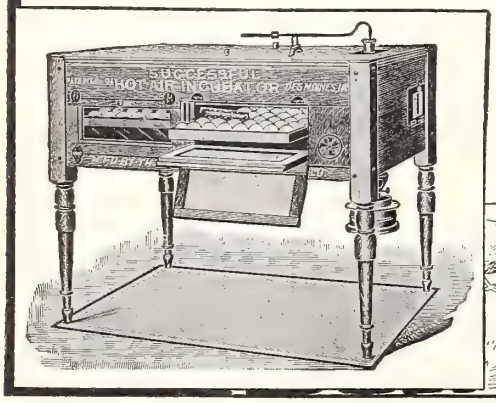

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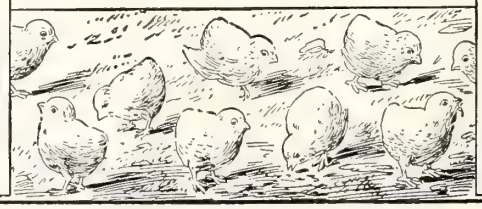

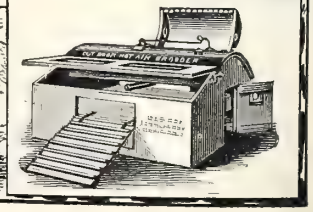

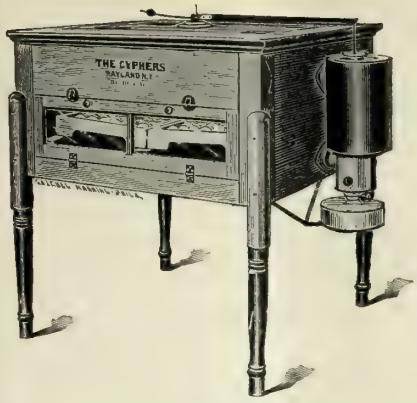

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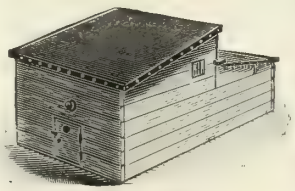

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PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER AND WHITE.

EGGS FROM PRIZE MATINGS.
1 Sitting, $5. 3 Sittings, $10.
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Per 100, $20.00.

Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1899 are the best I ever owned.

At the Great National Show, WASHINGTON, D.C., in **hot competition** with over **300 birds** of these varieties, the best that could be found regardless of price, I won **45 Regular and Special Prizes on 39 Entries,** including **First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show** (Bantams excluded), and this on my **First Prize Barred P. Rock Cockerel.** My winning White Wyandotte cock was pronounced by the judges to be the **best they had ever seen.** I won twice as many first prizes as **all other exhibitors** of these varieties. My **BUFF ROCKS,** at **BOSTON,** 1899, in hot competition, won **more first and special prizes than all others.** My customers are winning all over the country. If you want the **BEST,** write me. Hundreds of **Choice Exhibition** and **Breeding Birds** at **honest prices.** Catalogue of America's finest **Plymouth Rocks** and **Wyandottes free.**

A. C. HAWKINS, Lock Box 25, Lancaster, Mass.

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Cocks for the pit; fowls for breeding. Importing a specialty. Steel and silver spurs, all styles. Everything guaranteed. Write for catalogue. Mention this paper.

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Eggs from two yards of well marked birds, mated by E. O. Thiem, the originator, for best results, only $2 for 13. White Fantail Pigeons for sale.

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Highland Poultry and Fruit Farm,

The Largest and Best Equipped Poultry Ranch in Central Michigan.

No better stock in the West. Light Brahmas, B. P. Rocks, S-c. Buff Leghorns and W. C. B. Polish. Stock for sale. Eggs in season. Send stamp for my egg record.

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The popular strains of Buff Wyandottes formerly bred by B. H. Smith will be continued at the same yards. Our cocks and cockerels took first prizes at Detroit and Chicago shows this year. Eggs in season.

B. H. & M. H. SMITH, Coldwater, Mich.

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W. S. GRIGSBY,
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For Sale.

A pen of Light Brahmas, one choice cockerel and four pullets, large and fine, with nice dark points, etc. Price only $15. Also a trio for $7.50. Satisfaction guaranteed. First order takes them. Address

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The Daisy and Crown BONE CUTTERS.

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Hand Bone, Shell and Corn Mill.
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Choice Breeding Birds For Sale.

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Prices low for quality. Eggs in season $5 per sitting. Satisfaction guaranteed.

HUNT BROS., Greenwood, Ill.

Light Brahma Winners.

At the great Rockford Show, Dec. 26 to 30, 1898, nearly 80 birds in Light Brahma class, won more prizes than any two other exhibitors, on an exhibit of 11 birds, all cockerels and pullets, 11 regular and special prizes, including

Grand Sweepstakes

for best display of Brahmas. B. N. Pierce, Judge. The Godfrey strain of Light Brahmas is winning all over the West in the hands of customers. Splendid cockerels, heavily feathered, grand shape and color, $2.50 to $5. each.

H. S. GODFREY, Rockford, Ill.

S-C. BROWN LEGHORNS.

CHICAGO SHOW, 1899,
2d Pullet, Score 94.

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2d Pullet, Score 95.

Pen Headed by 2d COCKEREL, Chicago, 1899.

CONTAINS IN ADDITION TO ABOVE:
1st pullet, West Liberty, Iowa, Score 94½.
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Two 5th (tie) pullets, Chicago, 93½, 93½.

Don't you think these ought to hatch **WINNNERS?** ***Eggs $2 per 13.***

A. H. MORGAN, 5410 Chicago Ave., Austin, Ill.

WHITE WYANDOTTES

There is no better money making breed than this, ***both for egg and flesh production.*** My magnificent strain of this splendid breed is worthy the attention of intending buyers of fine poultry.

A FEW GOOD COCKERELS FOR SALE.

We have ***first prize cock*** at the Chicago show, being bred to pullets scoring 93 to 94½ points. ***Eggs for sale from this pen, $3.00 per setting.*** Others good, 92½ points, $2.00 per setting.

DANIEL PURNELL, Oak Park, Ill.

American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.
Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.
VOL. 30. CHICAGO, ILL., MARCH, 1899. NO. 3.

THE FANCIER IN THE POULTRY YARD

BY THOS. F. RIGG.

In a recent communication I. K. Felch said:

"Exhibition excellence demands such merit that not five per cent of all the flock find a market for it; not over 40 per cent of the remainder can be sold as strictly first-class breeding stock."

In this connection the "Sage of Natick" undoubtedly referred to the average flock of thoroughbred poultry. By his figures, as given, we find that but 43 per cent of the product of the average breeder's flock is fit to sell as breeding or exhibition stock. This estimate, I believe, is not far from correct. No wonder that in each and every representative breed recognized by the American Standard a few breeders are entirely outside of the general competition, and are selling stock at prices which, per individual specimen, would buy a dozen or two head from the average breeders' flock. These men—these few—are acknowledged as headquarters, and when a breeder wants something extra choice, something better than the general market affords, he goes to one of these men, pays a big price, and gets it.

This is a very opportune time for every breeder to seriously consider the situation. The world today demands something choice in everything. The man, whether selling live-stock or merchandise, or brains, must give a superior article or drop down into the ranks of the masses, where competition is almost ruinous.

Mate your pens, my brother fanciers, this season, so that the product therefrom will be of such merit that you will be outside the grand army of breeders who are raising each year and offering in the public market "ordinary to good" stock. You can just as well be out of the keen competition as in it, if you will.

As to the breeding pen: In previous articles I have shown the character of foundation upon which to build. Now let us get right down with the fancier, as we find him in nine cases out of ten. He is now—he should have done so one or two months ago—mating his pens for 1899. He has raised or secured by purchase an extra choice male bird. In far too many cases right here is where the breeder makes a serious mistake. He selects eight or ten or more of his females, and places this male at the head of a pen thus formed. In almost every case—there is not one exception in a thousand—the product of this pen is a lot of ordinary birds, with but a few choice specimens, very few. The breeder has overlooked quality and considered quantity. This breeder is for another year in the ranks of those who are breeding and selling "ordinary to good" stock.

Do not do it this way. No man can afford to do so. How does the fancier whose birds are acknowledged the best of their kind, and always "top the market," mate his pens? Not because a male bird is capable of caring for ten or twelve females does he so mate a pen. Not at all. He knows to a certainty, almost, what the combination of blood, within his stock, will produce. He mates scientifically, not at random. He realizes that no matter how grand in all Standard requirements given males and females may be, random matings of these specimens will invariably produce but very few choice birds. He knows all latent characteristics of his stock. In his matings he figures on reversion, and seeks to prevent its effects as much as possible. In many cases but one female is mated to a male. He keeps a complete record of his fowls, as perfectly and as accurately as do the breeders of the great and noted families of horses and cattle. He knows just what he is doing all the time. I wish there were more poultry breeders of his kind—wish I could induce every fancier to look at this matter as does "the fellow at the top." Why, don't you know, the whole world goes to "the fellow at the top," and pays his price, while the vast number of fanciers who are yearly producing fairly good stock are forced to throw their produce on the general market, and receive just what they can get for it, the buying public naming the price. The ordinary run of breeding stock sells for about the same price the country over, the buying public, in competition, having fixed the price. On the other hand the breeder of the comparatively few extra choice specimens makes his own price, because there are more buyers than there are specimens. It is simply a law of trade. So, in mating your pens this season, follow the lines heretofore laid down, and make quality the first consideration. Leave quantity to the other fellows. You may rest assured that they will produce it. The average man, when occupying the position of a purchaser of standard-bred fowls, is cold and calculating. He judges a breeder solely by the character of stock he produces, and buys or rejects the stock accordingly.

It is not the apparently perfect cockerel, nor yet the seemingly perfect pullets, that are crown jewels of a breeder's yard. The tried and "found not wanting" males and their direct descendants should only be used to head pens. And hold fast, very firmly, to the aged hens that have proved

their worth. The most difficult purchase to make of any fancier who is breeding scientifically, breeding in line, is an extra choice breeding hen. These hens are, indeed, the jewels of our yards. Too long have the breeders asked and expected the male to do too much to overcome the great unyielding laws of nature. As above stated, nearly every breeder annually buys a male of considered great worth, and this male is mated regardless of the breeding or character of the females he serves. The breeder who has established the correct foundation makes a fatal mistake in thus introducing new blood through the male. In line-breeding the necessity for the introduction of foreign blood seldom occurs. The infusion of new blood should be made by the use of a female, and a hen of known breeding only used. In a word, if we have started with the right kind of a male his line should be kept unbroken as long as possible. The hens used in our line-breeding are, of course, choice, or we would not have used them as co-founders of a race. Mate one or more of these to a male carrying the blood of the original male used as the foundation of your line-breeding. These females will carry a certain per cent of the blood of the male to which they are mated. By so mating we secure uniformity in the product, as well as size and vigor, and all other good qualities. Do not allow two lines of blood to do ruinous battle in your yards every year. If you do you will never attain good stock.

Keep well in view that size in breeding specimens is important. Remember that the dam imparts to the offspring size to a greater degree than does the sire. If you have a male bird representative of his breed do not condemn him as a breeder if he be a little under size. But be particular as to the size of the female you place in your breeding pen. Do not confound weight and size. An over-fat and really small specimen may weigh far more than the big-boned, big-framed specimen. It is the latter kind we want in our breeding pens. The male, if right in shape and markings, even though a little small—not as large as we would like to have him—will place the finish on the chicks produced, while the hen will largely influence the size.

The early chicks are with us. They are well worth caring for to the best of our ability. As previously stated, it is folly to hatch these extra early chicks unless we are fully prepared to care for them. I have found that I have been able to successfully raise about all February and March chicks. I firmly believe in feeding only dry rations, and keeping the little fellows busy all the time. At this season of the year, especially, little chicks will not stand up under and thrive on wet and sloppy meal mixtures. In fact such mixtures should not be fed to chicks at any time. There is no better feed for these chicks at this time than commercial oat meal, wheat bread, cracked wheat and millet seed and home-made Johnny cake—corn-meal cake. When making this cake mix with it a small quantity of bone meal. See to it that the youngsters are supplied with plenty of grit. Nothing will so effectually prevent chicks confined—as these extra chicks must of necessity be—from having diarrhoea as cracked or powdered charcoal. They will readily eat it if placed at their disposal. It thoroughly regulates the bowels and keeps the chicks in good condition. Nine-tenths of the loss of early chicks is due to bowel complaint. Charcoal will absolutely prevent this, other conditions being right. If for any reason the chicks do not eat the charcoal in their runs, mix a quantity in their feed two or three times a week. It can be mixed in the corn meal and shorts of which the Johnny cake is made, or sprinkled on the bread given.

———o———

EVERGREENS FROM SEED.

The first concern in America to raise evergreen trees from the seed was R. Douglas Sons of Waukegan, Ill. As a result they not only have the finest stock of selected Colorado and other evergreens, but because of the magnitude to which their trade has grown, they also possess the largest and most varied stock of choice spruce, silver fir, arbor vitae, etc., ever grown in this country. Starting originally as wholesalers only they have recently added a general nursery stock of forest, ornamental and nut-bearing trees, which together with their select line of evergreen trees they offer to the retail trade in quantities to suit and at popular prices. They are now growing for the United States Government several hundred thousand trees, under contract. Our readers are advised to write for price-list to this well known and responsible firm.

———o———

W. B. Morehead, of Belleville, Wis., is one of A. P. J.'s oldest 'advertisers, with an honorable record of good stock. He writes that he has a choice lot of Light Brahma cockerels that will be sold cheap to close out and make room before spring. If Mr. Morehead says they're choice, it's so.

SELECTION OF BREEDS.

By Alma Cole Pickering.

So many inquiries come to our desk asking advice as to changing breeds or cross-breeding to obtain the "best breed." We would like, if it be possible, to indelibly impress upon the minds of our readers the fact that there is really no "best breed," unless the environment, care, and food are such as to admit of developing and maintaining a flock of fowls at the high tide of their best qualities. Changing from one breed to another, or crossing breeds more often, tends rather to dissatisfaction than otherwise. More care should be exercised in the selection of a breed. Too often a mistake is made in the start, or the choice is carelessly made. It would be well to settle in one's own mind what one expects the fowls to do. Then get the breed best suited to that purpose. If they are to furnish fastidious customers with quantities of fresh, snow-white eggs, then select some one of the Mediterranean breeds. The Leghorns being the best representatives of these breeds, having deservedly gained a world-wide reputation as egg-machines, they richly merit of appellation bestowed upon them of "America's Business Hen." Then, if eggs, and plenty of them, is the desideratum, you will make no mistake in choosing the Leghorns, be they White, Buff, or Brown. They are all beautiful. They cannot be surpassed (and, we doubt, equaled) as layers, while their flesh is fine-grained, tender and juicy.

If Leghorns are thought too small, there are the Brahmas or Cochins. They lay well, are excellent mothers, and are good table fowls. Or, if one is desirous of raising broilers or roasting chicks, the Plymouth Rocks—Barred or White—and Wyandotts justly claim precedence. They are as good layers as the Cochins or Brahmas, and equally as persistent "setters."

There are other breeds which have their admirers and undoubtedly are worthy of all the praise bestowed upon them by their intelligent caretakers. For lack of proper care and feeding, more than aught else, is the real cause of unsatisfactory results from our "biddies." Having once selected a breed, stick to it. Do not change from one breed to another, or, worse still, cap the climax of such folly by crossing your pure breed birds with some other breed. This is so often the last and always fatal error of the changeable poultryman. Why ruin a breed by co-mingling alien blood? Why deteriorate? Why not progress?

The above is a half-tone of the four White Plymouth Rock females that were in the breeding pen that won first prize and the American White Plymouth Rock Club Cup at the great Chicago Show. They were bred by U. R Fishel of Hope, Ind., who has succeeded in breeding White Rocks that are true Plymouth Rock shape. His strain of birds are noted for their deep broad bodies and low tails. When he began breeding for low tails on White Plymouth Rocks, and began urging the breeders to discard the high Leghorn tail on these birds, a great many breeders laughed at his idea; but he bred the fowls on the line laid down, and as the records of shows will prove, wherever birds of this type are shown they always win. Now nearly all up-to-date White Rock breeders are breeding for this type. Mr. Fishel writes us he has 50 choice cockerels that are fit to head any yard, yet for sale and will close them out at a low price. His 1899 circular is ready for mailing and every fancier of White Plymouth Rocks should have one. It contains half tones of all the male birds he is breeding, as well as descriptions of his matings for 1899.

THE AMERICAN FOWL.

When T. F. McGrew, in his paper on "Science in Breeding," in the February issue of Reliable Poultry Journal, states his belief in the permanent popularity of the Barred Plymouth Rock he meets no serious antagonism. This product of American fanciers' tastes and practical good sense is an established institution in poultrydom. The Plymouth Rock is essentially a temperate-zone fowl. In a country as vast as our own, embracing every shade of climatic difference, there must be a fowl which can endure variations of temperature without experiencing constitutional injury. The Plymouth Rock is a composite creature, possessing all of the requisites to health and productivity under stress of changing conditions of atmosphere. Indeed, this fowl is characteristically American.

Having reached approximately a degree of perfection in the animal life and marketable qualities of the fowl, the fanciers naturally turn their attention to the externals. That is, they seek to apply the rules of the show room to that which is already become the pride of the poultry yard.

Now, your true fancier is one who delights in struggling with a problem. When once the mystery is solved it ceases to fascinate. The fancier of a breed of fowls which is susceptible of perfection abandons the work—with a sigh, no doubt, but abandons it nevertheless. If by the rightest authority a scale of 100 is devised and the pens are certain of putting out 95 and 96 point birds, the breed drops down in the fancier's interest. A fancier is a constructionist. This is shown in the fact that the noble national bird, the Bronze Turkey, which can be bred to perfection under our Standard; that huge Geese and Ducks can be found scoring well on towards the maximum, are of no especial value to the fancier. The Single-comb Brown Leghorn and the Buff Cochin are somewhat of the past as fanciers' stock. There must be greater difficulties to overcome.

So it is that the fanciers, in casting about for hard jobs, have come upon the Plymouth Rock. Here they find the Barred variety being produced in show form by certain expedients, and straightway declare that the results can be effected in other, but more scientifically difficult manner.

Mr. McGrew thereupon ventures the opinion "that the coming favorite of poultrydom will be Barred Plymouth Rocks, the male and female of an even color, both of the same shade of color, or as nearly so as male and female can be."

Here, then, is the necessary problem, which hosts of fanciers are laboring with—demonstrations being shown at the leading exhibitions. It is safe to say that nothing is impossible to your real fancier. He puts up arbitrary bars in the form of Standard requirements, and practices until he can vault them with ease and grace.

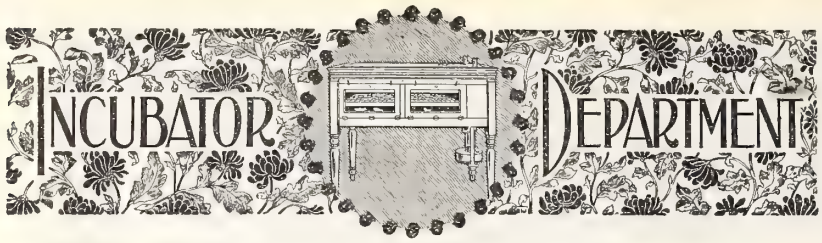
Our New York fancier admits that, at the present moment, all is charmingly uncertain—that "just now we must depend entirely upon hearsay and theory, for up to the present time no one has even partially succeeded in establishing any set lines. Should we have the chance to make the test experience has taught us (that like will produce its kind, fully realizing that all stock at hand has the admixture of double matings in its veins), we shall select a male and female of most perfect Plymouth Rock shape, both of the admitted proper shade of color for a female, with the male just a little darker than the female. For this single mating plan we shall select at least three pairs to constitute our start. In each we would use the proper colored female, paired with different colored males to test the first season's work. Thereafter the best colored specimens would be mated together until the bad features of double mating should be driven out and the proper color built up and established in the dominating color."

Observe how adroitly this writer stirs fancier's blood! There is doubt and mystery and the uncertainty of success. He even defies the wrath of the established breeder by confessing that this mating would sacrifice "the now much-sought-after underbarring." And he is bold enough to assert that his plan would produce "one of the most attractive varieties." To meet the tide of opposition his revolutionary proposition invoked, Mr. McGrew throws out the incentive to effort: "We know it has been said time and time again this cannot be done."

Well, if it cannot be done, it is rational to say that some fancier will at once set to work to do it—and the next revision of the Standard will record the success of that undertaking.

Then this writer sounds the note of confidence. He affirms:

"It can be done and it will be done, and when complete all will see its value. It has taken almost fifty years to bring the Plymouth Rocks to their present position. We must not expect in a few years' time to undo, rebuild and perfect upon a new line that which it has taken so many years to establish. It will take time, and he who attempts to produce more perfect specimens upon the new line must show at least the patience of those who produced the Buffs and the Whites. With the proper beginning as to quality of stock, care in mating and the keeping of perfect records, the task will be more quickly accomplished than might be expected, for after the first year improvement would be rapid if the foundation stock were of the best."



Written for AMERICAN POULTRY JOURNAL by H. C. Clark, Secretary of the Von Culin Incubator Company, Delaware City, Del.

Before entering into the business of manufacturing incubators I was greatly impressed with the magnitude of the poultry business when compared with the other great industries of our country.

I was also greatly surprised that so few knew anything of the magnitude of the business, and also how few knew how to carry on the business by the latest system of incubation, or, in fact, knew how to make anything like a fair profit out of the business.

My impressions were (be they true or not) that this wonderful and extensive enterprise (barring the usual exceptions) was carried on by a multitude of people who raised poultry in a small way, and, with a small percentage of exceptions, the poultry business instead of being made the primary business, as its correct profits justified, was made a secondary business or a side line and left to run itself.

I was therefore inclined to go into the manufacturing of incubators, etc., feeling sure there was a field for them if the people were educated to use them properly, and I could place a machine on the market which would do what was wanted of it.

Before proceeding to give what I think the proper manner of using the best incubators, I will state for the benefit of anyone thinking there is no room for more in this industry, that this country is still importing eggs and poultry, and that the earnings of poultry last year were $290,000,000; more than the combined earnings of sheep, potatoes, tobacco, gold and silver. New York state alone consumed and sold $90,000,000 worth of eggs and poultry.

Now, say that some of my readers are convinced there is a market for eggs and properly raised and properly dressed poultry. Then you will hear some of them say: "I think the best way is to stick to the old hen." You could just as well say, "I think it best to stick to the old flint lock musket;" or, "the old flint instead of matches."

For instance, your old hen "clucks" around a week or more before setting; then you feed her for three weeks while on the nest; then you feed her six weeks more while she runs around with the chicks, scratching up everything within reach.

If you had the right breeds of hens (the ones that lay and do not set) then this hen would have been making money for you all the time, and ten cents worth of oil would have run one of our 250-egg machines one hatch. Again, the little chicks out of an incubator are never covered with vermin like the chicks from under a hen.

To begin with, I am going to treat the subject of incubators just as if every reader of this paper was a beginner, and give some rules that apply to nearly all incubators.

In the first place, to meet with success you must have a good incubator, and if you have the best made then you are that much more certain of making money.

In picking out a good incubator there are several things to remember, viz.: That the machine must maintain 103 degrees of heat during the entire hatch, automatically governing the temperature; they must have sufficient ventilation; maintain the same degree of heat on all sides and parts of the egg chamber; be made of well seasoned lumber; be fire-proof; be not affected by great falls in temperature; economical in the consumption of oil or gas.

There are plenty of machines on the market which keep you up all night regulating the temperature; there are others that to get even fair results must be kept in cellars, specially constructed to prevent changes of temperature; there are still others which hatch fairly on one side of the egg chamber and poorly on the other side, and there are complicated clock and cog wheel attachments, etc., on others that work well until the lamp wick corrodes and then the springs, etc., do not have power to turn the wick up or down and the eggs are cooked or frozen, and the business is considered a failure.

As I was especially asked to describe our system of incubation, I will proceed to describe our machines: They are hot air machines. We discarded hot water, as we could not regulate them quickly enough. When the water once got too cool it took too long to get it to the right temperature again, and when once too warm, too long to cool it.

We make our incubators with six-inch double walls, packed with non-conducting substances, so that a fall of fifty degrees in the outside temperature does not affect the temperature of eggs. The temperature of the egg chamber is regulated by a patented thermostat which regulates the machine within one-half of one degree, and does it by lifting a little cap which exhausts the air from the flame of lamp, and the light for reason of want of air lowers at once, and there is no turning up or down of the lamp wick, or cooling the eggs by letting in a cool draught of air.

Our egg chamber is heated by radiation of heat from metal heater, and there is not air or fumes from lamp near the eggs. The ventilation is such that there is a constant circulation of pure warm air continually around different states of humidity of the several sections of the United States. Our machines are fireproof, being perfectly insulated and every heat pipe wrapped and packed with mineral wool. The heater pipes which carry the heat into the radiator distribute it so evenly that every part of the egg chamber is of the same temperature.

The thermometer is so arranged that it can be taken out of the incubator and examined, without opening the door. There is always too much looking into the machine by amateurs.

Our machines are automatic.

After you have chosen a machine the next work is to select a place to set it up. If it is a good machine, then, any place, where it is sheltered from the wind and rain, except too close to some heater or stove—the barn, granary, vacant room, dry cellar, toolhouse or under a rain-proof shed in one corner, sheltered from the wind so the light will not go out.

Next, get some fresh eggs, not over three days old, if possible, and eggs that have not been touched by frost or handled roughly. If possible get eggs that have at least a strain of Brown or White Leghorn. They are most likely to be fertile. To hatch eggs under a hen or in an incubator they must be fertile. Fresh, fertile eggs from strong, vigorous stock of poultry will always insure large hatches if your incubator is all right. Always buy your first incubator on trial, to be paid for after first hatch is made.

After you have heated your incubator to 103 degrees, place the eggs in it. The temperature will very likely lower

for a short time but will soon come up to the right point. If it does not, then, after several hours' waiting, readjust it so that it does reach 103 degrees.

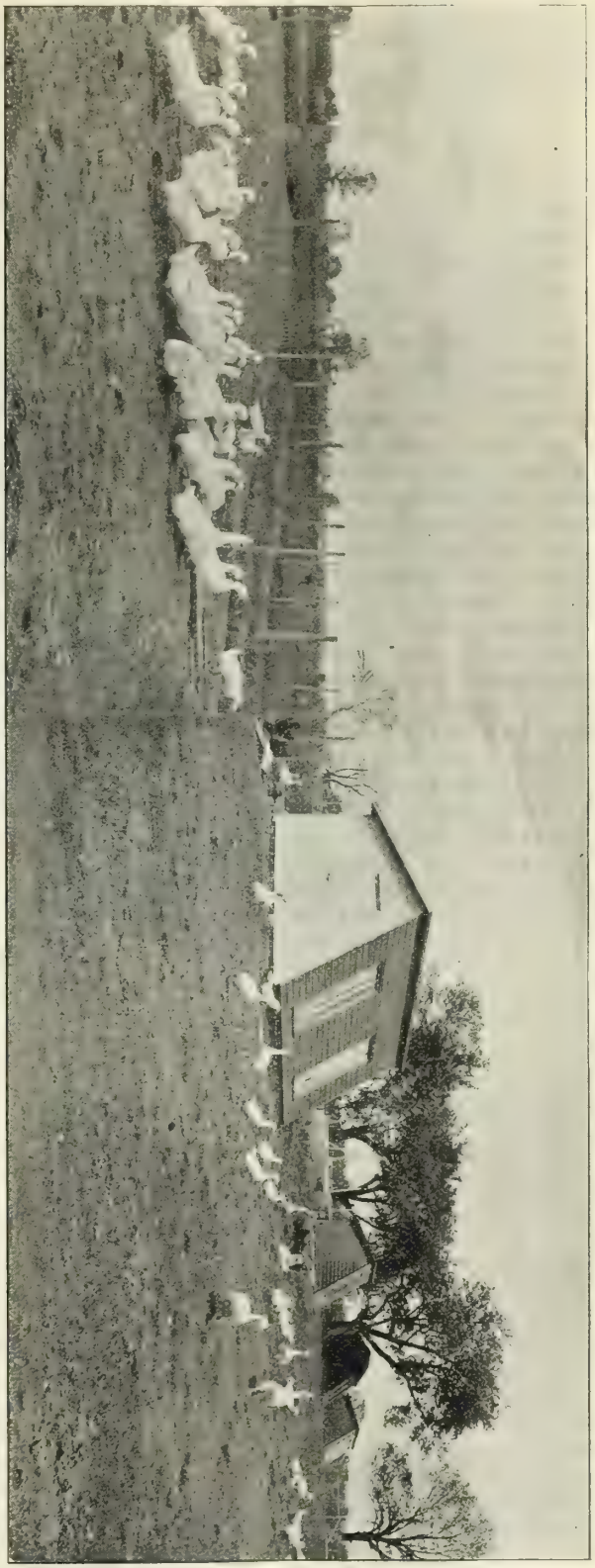
When the eggs have been in machine a week, the next step to take is the testing of the eggs. This is a very simple operation. Remove the trays, one at a time, and place tray on a table, being sure to shut the door of incubator after taking out each tray. Then hold each egg to the tester, and if a dark spot with spider-like legs is visible, it contains a chicken and should be placed back in tray. The darker and stronger looking the spot appears, the stronger will be the chick. Perfectly clear eggs should be thrown out, as they are dead and will never hatch. After all the eggs have been tested and all bad eggs thrown out, the machine will probably need to be readjusted as it contains nothing now but live eggs and the eggs themselves are throwing out more heat and will continue to do so as the chick develops, until pipping time.

The eggs should be aired from the first testing day until the eighteenth day, once a day. This is done by taking out the trays of eggs and placing them on top of machine. Remember to close the door after taking trays out, so as to keep the machine at the proper temperature. The length of time for cooling depends upon the age of the germ. Ten minutes will be found sufficient at first, and this can be lengthened a little each day, to be determined by a thermometer on the trays, which should not be allowed to go below 80 degrees. After eggs are returned to the machine they will regain, in a reasonable time, their accustomed 103 degrees.

I do not consider moisture of any great consequence, hence have said nothing about it. The stumbling block of most amateurs has been moisture. No other thing connected with artificial incubation has ruined so many hatches. The degree of moisture in the egg can be best determined by the appearance of the air cell. At the fifth day this forms a very small space in the top of egg, enlarges and spreads until it takes up about one-fifth of the entire egg at the eighteenth or nineteenth day. The best guide for moisture is the development of this air space. The proper development of the air space is given in the diagrams of our book of instructions. If the air space develops too rapidly, then give the machine and eggs more moisture. If it develops too slowly, and it is generally the case, then give more air. Moisture checks the development and air increases it.

This development of the air cell is, in my opinion, the most important consideration in artificial incubation. If this cell is not well developed by hatching time the chick cannot turn itself and will die in the shell.

All eggs should be turned twice a day, morning and night, beginning at the second day and continuing until the night of the eighteenth. The machine should then be closed and not opened until all the chicks are hatched.



VIEW ON DUCK FARM OF CHAS. McCLAVE, NEW LONDON, OHIO, BREEDER OF LAND AND WATER FOWLS.

BREEDING BLACK MINORCAS.

Feeding for Eggs in Winter--Mating the Birds for Improvemont of Stock--Caring for the Fowls to Produce Best Results in all Branches of the Business.

BY J. H. DOANE.

It is a very easy matter to give directions for feeding to promote egg production in winter, but it is not so easy to get the eggs. It was my intention to tell of my method of feeding for eggs in winter, in the February issue of American Poultry Journal, but as my first article was held over I will try to explain how to get fertile eggs in the breeding season; and as March is upon us, perhaps a little talk on the question of fertile eggs will not be out of season.

Positively, no set rules can be adopted for the different breeds in feeding for fertile eggs; but as my efforts at present are to tell of the management of Black Minorcas, if the Plymouth Rock, Cochin, Langshan or Brahma breeders think my feed a trifle heavy for their breeds, just remember that I am feeding a breed that are active and at all times on the move, if in good condition; and if they are not, I do not look for fertile eggs in any reasonable numbers.

Personally I am in favor of the morning mash for Minorcas; but it should be given more as a break fast than as a breakfast. If Minorcas are gorged with all that they can stuff of a warm mash, they are liable—yes, sure—to mope around until they once more become hungry, like the heavier breeds; or, more properly speaking, the breeds in the Asiatic or the American class. It is not natural for any hen to have a full crop in the morning, and it is not conducive to health and vigor, much less to egg production, to an extent that they can be made profitable, if too liberal feeding is indulged in in the morning mash. I believe that a warm feed in the morning is beneficial more because it enables the breeder to give a variety of the different feeds, than because a warm feed is stimulating, and conducive to the toning up of the birds after a long winter's night, as some breeders claim. If the birds are poorly housed and they "come off the roost" in a half frozen condition, then a warm feed would tone them up, but unless the Minorcas are kept comfortably warm at night it is too much working against nature to expect fertile eggs from a warm morning feed, no matter if it is well balanced with all the different grains.

A well balanced feed, which also gives a liberal variety, is to take equal parts, by measure, of ground corn, oats, middling and bran. To this I add from one-fourth to one-half (according to how well the hens have become accustomed to it) of clover meal, to be mixed with the ground feed while in a dry state, and then pour on boiling water sufficient to make it crumbly, not wet. The advantage of clover meal over cut clover, is that all parts are rendered sufficiently fine, that even newly hatched chicks can easily eat it without waste. Clover meal is a boon to the poultrymen. The feed mixed as directed will cool the water so that it can be fed with safety at once; or it can be stirred up and allowed to stand a few hours and then be fed; but it must not be fed in too liberal quantities, but only what the fowls will eat eagerly. Because the hens will eat, say, four quarts one morning it does not follow that it is safe to feed that amount every morning. Success or failure depends largely upon the care given in feeding; and for that reason it requires constant, watchful care, to keep the hens in laying condition, to get a good percent of fertile eggs. A light feed of wheat, oats, barley or buckwheat can be given at noon with good results, and a liberal feed of corn every other night, alternated with some of the other grains. Discontinue the corn as warm weather comes on. All grain must be strewn in the litter to force exercise; and at least twice a week give either turnips, beets or carrots chopped fine. I run them through the bone cutter. Do not forget that the hens require either green cut bone or animal food in some form, and this should be given in connection with the morning feed, except the cut bone which is better when fed clear, and it is better relished by the hens. If your hens are red and look as though they must lay, but don't, give the warm mash at night for a few days and note the results. It is a change, and many times will start them to laying. A liberal supply of sharp grit must be supplied constantly, but avoid stimulating tonics if you wish fertile eggs. In watering the breeding stock, do not discontinue giving it lukewarm, for I really believe that the best of care in feeding can be offset by supplying icy cold water in cold weather, to the extent that the egg yield will not only fall off but the fertility will be affected.

Exercise for the laying stock is just as essential as it is for that harum-scarum boy. Exercise can best be afforded the fowls by keeping a little grain in the litter. Do not think that I mean to keep feed before the hens all the time, for such is not the fact; but if a hen does not find feed in the litter she will not be so ready to scratch for her living; and a good supply of fertile eggs will be the result in part, by keeping them busy hunting for feed, while a light morning feed will compel exercise; and exercise means health and vigor.

In mating up the breeding pens one should have as accurate an idea as possible of the stock that comprised the matings that produced the birds intended for the present matings. It is not my purpose to deprecate a fine comb; on the contrary, a good comb is a breed characteristic that adds beauty and attractiveness to Minorcas, but a poor comb is much easier bred out than bad type. Pin that in your hat. To illustrate: If the matings of former seasons were especially defective in comb, showing uneven serrations, thumb-marks or indentations at the side, notched in front or rear end, with small irregular notches not unlike saw teeth or wrinkles, and small folds, we should select females (more properly speaking pullets) with as good combs as possible for this year's breeders, and mate them to a male bird with an evenly serrated comb, which should not be thick and beefy, firm at base and thin, but erect. For the next mating, select the best of the hens, giving strict attention to size, shape and color, and mate them to a cockerel, bred from them last season, if you are sure that you know which hen was his mother, and keep her out of this pen; but if you have this grandam on the male side, i. e., the mother of sire of cockerel, put her in this pen, and set the eggs from this hen separate. You should spare no effort to select her eggs, for she is the foundation of your coming line of male birds. Keep a descriptive record of these two matings to be drawn upon in coming years to build up your strain and by all means stand on your own foundation. Prove your own ability as a breeder, and take your own position in the rank of breeders, but claim that only which you know to be true. To keep up the health and vigor of a strain in line-breeding, infuse new blood through an out-cross, with a bird that is as nearly standard as possible, and breed the result of the out-cross into both branches of your line of breeders.

While the show room has attractions peculiar to itself, there is to my mind nothing in connection with breeding Black Minorcas to the Standard that requires one-half the thought and study of "Mating up the Breed-

ing Pens." Please bear in mind that breeding in line of descent is the only course which I have pursued in establishing my strain, and I am writing from my own experience. If I have departed from the path of line-breeding, I will stand corrected; but as "quality of stock is proof of practice," the desire for better stock will be my incentive to work for improvement. How easy it is to undo the work of former seasons in mating the breeders. Still there are plenty of people who are willing to pay good prices for a male, or a few choice females, who, if they fail to get good results as breeders, are inclined to the opinion that something was wrong with the parent stock; while the real cause of disappointment is that a new bird in the flock brings its defects, as well as the good points, in its breeding. It is not at all unusual to get an apparently good bird from a bad mating.

If one will keep a record of his matings, more attention will be given to the individuals in the breeding pens, and it is not difficult to select eggs from a particularly choice hen and set them separate. The chances are that the chicks from such eggs will be retained until maturity. Such breeding is the keynote to line-breeding. It will enable the breeder to get his birds to "breeding a characteristic of their own."

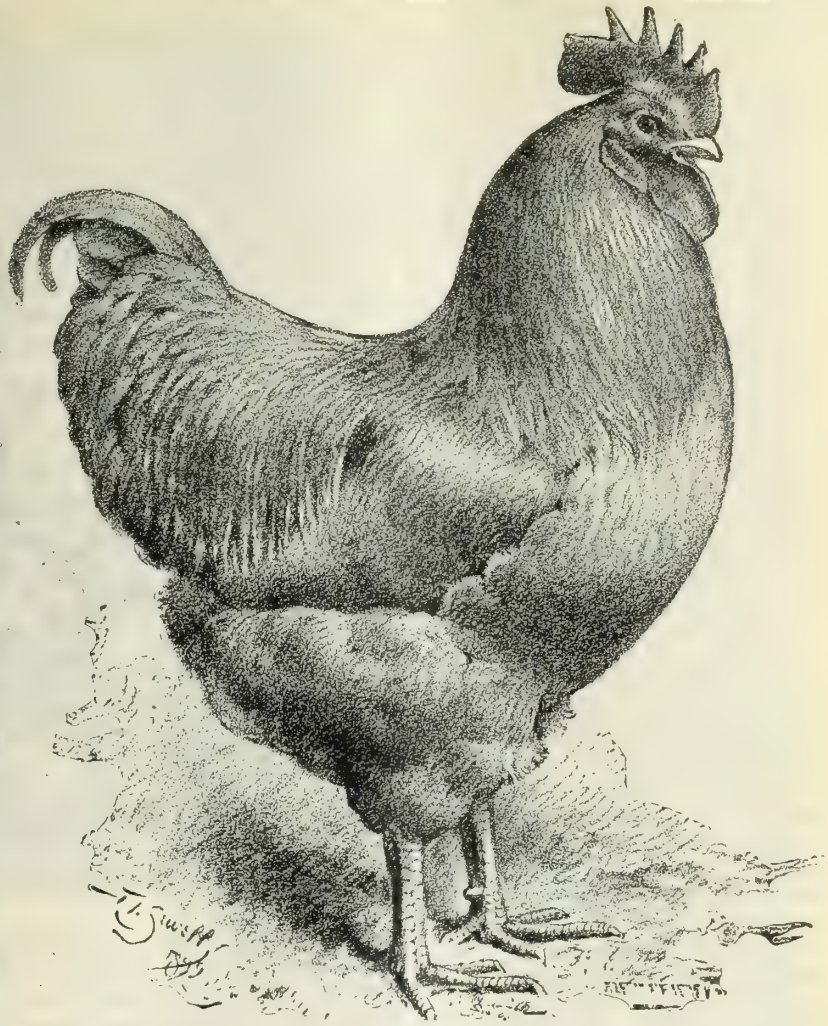
Improvement is the order of the age in poultry breeding, and to get the best results from a point of Standard characteristics you will so mate your breeding pens so as to get good specimens for exhibition; and as Black Minorcas are, in the main part, bred from single matings, "like does produce like." If your show birds are bred right, they should be the best birds for the breeding pens. That statement is not overdrawn; it has been proven by others, and will be so demonstrated more and more in the future.

SILVER WYANDOTTES.

Prosperity with a big "P" has finally come to the breeders of thoroughbred poultry, and to none more so than those that have Silver Wyandottes to offer.

The demand for good birds is unprecedented in my fourteen years' experience with this breed. It is gratifying, not only for my pocket's sake, but also for the reason that this most beautiful and useful breed is recognized as such in a substantial manner by the public at large, thus assuring them a standing in the poultry kingdom only second to one other breed.

We have in the Silver Wyandotte the best all-purpose fowl in the United States today. In England it is recognized as such, having been taken up by the English fanciers (although originating in this country) and bred to such perfection that they lead today at all the principal English shows.



"Goldleaf," First Prize Buff Plymouth Rock cockerel at Boston, January, 1899. Bred and owned by A. C. Hawkins, Lancaster, Mass.

The qualities claimed for the Silver Wyandottes are their beautiful markings, hardiness, quick growth (making splendid broilers at 8 to 10 weeks, well feathered and plump of body), or fine table fowl when matured, weighing about 5 pounds then—the meat being tender and juicy; or if you want a fowl for eggs, they are second to none, especially as winter layers, having the advantage of the Leghorns, their only rivals as layers, in this—that they are quiet and gentle, and can easily be controlled in a four-foot poultry netting fence; and, again, in the fact that they will raise a brood or two of chickens every year, and do it in such a way that it is safe to count on bringing up 90 per cent of the chicks hatched.

For utility and beauty, for the fancier or farmer, or for the amateur with a restricted suburban lot, there is no breed of poultry that will give quite so much pleasure and profit as the Silver Wyandottes.

Henry Steinmesch.

TREATMENT OF SPANISH CAPTIVES.

Never before in history was there a case where a defeated and captive enemy received such generous treatment as we gave the Spaniards. Other nations are astonished. Equally astonishing are the hatches made by the Prairie State Incubator. Never before in history has there been a more successful machine put on the market for hatching chicks, ducks, turkeys, etc., etc. All nations have benefited by it and all nations praise it.

C. J. Lancaster, of Maywood, Ill., repeated his success of last year at the Chicago show 1899, winning 9 prizes on 10 entries, of Rose-comb Brown Leghorns, as follows: 4 firsts, 1 second, 2 thirds, 1 fourth, and 1 fifth. He announces in his ad eggs for sale from his winners.

BARRED PLYMOUTH ROCKS.

By D. T. Heimlich.

[The Barred Ply. Rock illustration on page 74 of Feb. A. P. J. was credited to J. B. Kimenour. This was an error and occurred by a mix up of cuts in this office. It should have been credited to the owner and breeder of the bird, D. T. Heimlich of Jacksonville, Ill. To correct this error we publish the illustration again this month, giving correct credit to Mr. Heimlich, and also publish an illustration of a wing from one of his birds.—Ed.]

It would be a most difficult problem to find something new to say about the Barred Plymouth Rock were it not that each show season brings into the ranks of the Fanciers men and women who are keen to learn of its good qualities.

The study and skill, patience and eternal vigilance that it takes to breed them to the higher qualities now required of them to fill, bring out specimens each succeeding season, showing that many breeders are working toward one end, and that is to perfect the proper form and to secure the perfection of barred plumage as indicated by our Standard of Perfection. These new breeders, like the old, are caught by the Fancier's spirit to try his or her hand at producing and supervising something that the public can see and admire as a thing of beauty ever striving in anticipation of doing still better next time.

Many have to unlearn and start over year after year, catching up a new idea here and there and letting an old one go.

This without doubt has been brought about through conflicting articles as to methods of making for best results. There are those in the front ranks who advocate single matings; many others who have been equally successful with the double mating plan.

Having come in contact with the best sold by some of these breeders, it may be of interest to many readers of American Poultry Journal to learn what our personal observation has been as to individual merit of specimens met with in the show room from the yards of some of our well known eastern breeders.

A. C. Hawkins has produced a type of Barred Rock that can easily be recognized. Fine form seems to have been made the principal object of his matings. Especially is this noticeable in the males—a broad, prominent breast, and good general shape in all details; low combs and bay eyes; good size and bone. In plumage the majority have been rather coarse barred, the females running to a heavy dark bar, giving the general surface a rather dark appearance. His advocacy and practice of the double mating system does not lead experienced breeders to try birds from such matings for general results, as no good results can or will follow unless the same system is adhered to by the would-be breeder.

Barred Plymouth Rock cockerel bred and owned by D. T. Heimlich, Jacksonville, Ill. This cockerel is one scored by B. N. Pierce at 93 points; is a trifle open barred, but one shade of color throughout down to the skin. The picture was made before he was fully matured.

E. B. Thompson, another noted breeder, advocates the double mating plan, but evidently has modified this in late years; as chicks hatched from eggs out of his best yards hatch more evenly and are nearer alike in color throughout. When mated together, medium light and dark male and female produce more uniform chicks, though in type narrower and longer in nearly all sections than the Hawkins stock. Yet in the show room they oftener prove winners on account of the brightness and evenness of plum-

Feathering of Barred Plymouth Rock Wing. Bird bred by D. T. Heimlich, Jacksonville, Ill.

age. Evidently he mates extremes, as the best show males always show the metallic black bar in tail coverts which are seldom produced unless a very dark female is used.

Bradley Bros.' Barred Rocks are in general type very much like the Hawkins, but closer and more evenly barred. Show birds sold by them have won in competition with others principally for this evenness of barring, which, as a rule, carries the stamp of an even barred female with it. As I have seen but few females from these yards, I will not venture an opinion.

There are other breeders East whom the West and South have patronized for stock and show birds, whose stock can in some instances be recognized.

In the majority of cases our Barred Rock breeders have not settled down to systematic mating of the sexes to produce a uniform type or color, yet more are each year coming to the point where they have learned that when once a strain is started it is folly to buy one year from this breeder, the next from another; that it is wisdom when buying to get the best regardless of cost; to mate and produce as many from only a few, carefully noting the varying of chicks produced from one male; to select those that have what time, experience and acquired knowledge have taught to be desirable as breeders and show birds; to keep such males as reveal points of quality to be perpetuated on the male side, and which will not tend to produce extremes on the female side.

Quit buying new males every year thereby expecting to improve quality. The risk is too great. Produce your own male by knowing just what he is from, what his good and bad features are, and what his mates are from. Any other method will retard progress in the production of high quality specimens of Barred Rocks.

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SUGGESTIONS FOR MATINGS.

Beginners will find in the following suggestions by V. M. Couch, in Poultry Monthly, a help in selecting breeding stock: "The male bird should be a model, and exhibit the distinctive character of the breed to which he belongs. He should be good sized, healthy and full of activity, with no constitutional defects. He should have a clear cut profile, with smooth, glossy plumage and a keen eye. He should have a broad chest and carry himself with a proud, yet graceful air. The females should be chosen to combine good size, pure and even color, strong constitution, and symmetry in from. When selecting hens for breeding we should look first for good layers and the most perfect in general appearance, and by this combination we are sure to obtain a superior offspring."

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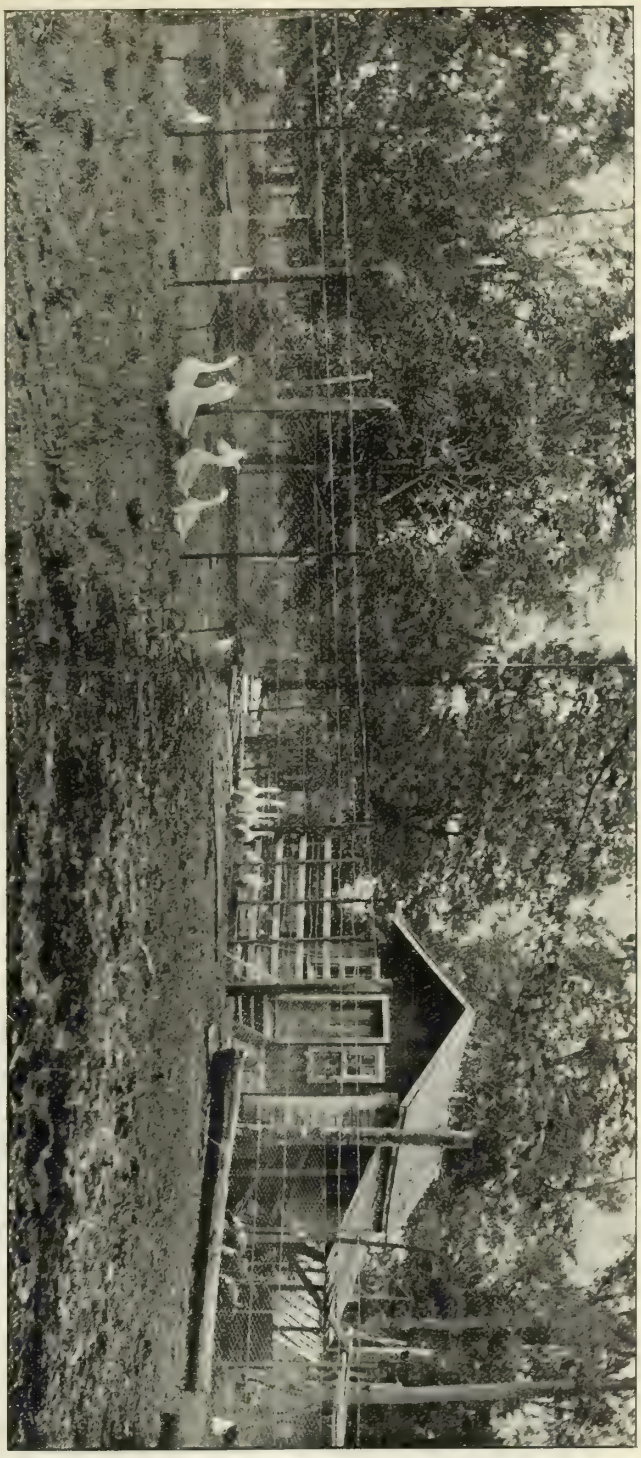
Wm. H. Halteman, of East Coventry, Pa., makes a specialty of Buff P. Rocks. Persons wishing to buy eggs will do well to call on him or write, as he is shipping eggs all over the U. S. and Canada.



SCENE ON THE POULTRY AND FANCY STOCK FARM OF CHAS. McCLAVE, NEW LONDON, OHIO.

The Peoria Feathered Stock Association elected Chas. S. Proctor president; C. E. Hall and H. E. Burnham, vice-presidents, and Victor Dewein, 111 Chambers avenue, Peoria, secretary.

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A poultry association has been organized at Lebanon, Ind., with Dr. A. B. Jones president; Robert Stevenson, vice-president; E. G. Darnall, treasurer; C. B. Adair, secretary; J. E. Kersey, superintendent.

Remedies for the common diseases of poultry. Advice for prevention and cure.

TO RAISE HEALTHY FOWLS.

How to have and maintain health in the flock is a necessity. Dr. Woods read a lengthy paper on this theme before the class in poultry culture at the Rhode Island College of Agriculture January 11. From that address we condense the vital points, partly in our own words, but accredit the ideas to Dr. Woods.

Improvidence and carelessness cause diseases which are generally preventable.

Poultrymen can stamp out disease, control breeding, habits, food. Climatic influences remain to be guarded against.

Fowls can be made strong and vigorous by generations of careful selection. In selecting breeding stock, accept only specimens that are, and have been from birth, in perfect health. If possible, know that they come from perfectly healthy parents. Select your breeders for health, strength, vigor and maturity; next consider utility value and fancy points. No matter how good a specimen the bird may be, if it is not mature, does not possess size, vigor, and a sound constitution, it should be barred out of the breeding pen.

Influence of heredity is still debatable, but tendency to disease and habit is transmissible. Eggs from fowls constitutionally unsound, never did and never will produce chicks that can resist disease, no matter how well they may be cared for. There is every reason to believe that chicks which inherit a sound constitution and vigor, are with proper handling practically immune from disease. The normal fowl is a healthy fowl, born with the habit of health inherited from healthy ancestry. The bright eye, red comb, smooth, bright, well kept plumage, activity, and a keen appetite, indicate the healthy fowl. Although the specimen may be in apparent physical health, we must look further, and make sure that there are no deformities suggesting hereditary taint. Also, we ought to make sure that it possesses good practical qualities, such as the early maturing habit, and the prolific habit, as well as the habit of health.

A fowl that was once sick should be excluded from the breeding pen. There are plenty of birds. It is better to sacrifice a high-scoring single specimen and our own personal pride in it, than to risk infusing a taint. One bird, though a prize-winner, may ruin a flock; but a prize-winner that retains health is a joy to the breeder. In a once sick bird there always lurks the possibility that some constitutional taint remains that may be transmitted in a greater or less degree to the chick; for it is one of the peculiar facts of heredity that through unknown channels some parental taints are exaggerated, and some are modified in the offspring. Where both parents possess the same fault, the tendency is to exaggeration. It is extremely doubtful if a fowl that has once been seriously sick is ever again of any profit to its owner.

Inbreeding is not a peril provided the mates are healthy and a wise selection is made. Better fix characteristics by known birds than to hazard "new blood" which is only recommended by external points. Nature demands new blood, but she requires that it shall be above reproach.

Given parents of sound constitution, our duty does not end here. The egg must be incubated under normal conditions. This may be done by hen or properly constructed incubator. The test of incubation is the chick. A healthy chicken comes out on time, neither too early nor too late; comes into the world with a vigorous kick and "peep," and is strong, large, well developed, bright, lively and hungry. This chick has the hereditary tendency to health—a sound constitution. We have the making or breaking of it. A healthy chick should grow all the time from birth to maturity. Properly handled, it will do this, and a standing still in growth should be looked upon as a danger signal, warning us that there is something that needs attention.

Do not waste time in doctoring droopy chicks, if they fail to respond to proper food and care.

Unsanitary surroundings, dampness, crowding, impure water, improper food, neglect, and want of exercise, all are factors in breeding disease. It does not matter whether it is a germ disease or not. Subjected to such conditions, even the strong sound constitution breaks down, and with it vanishes immunity.

Poultry houses should be built on land that is dry and well drained.

Build the houses tight and warm. There is little danger of getting them too snug. Have the windows made to open, and give the houses a thorough airing daily by opening the doors and windows while the fowls are exercising. This will secure all the ventilation needed. If, after adopting this plan, the house seems to need ventilating, you can make sure that you have overestimated its capacity, and that what you want in the house is not ventilators, but fewer fowls.

Sunlight is important to health; your house must be so placed that through the day sunlight may penetrate to all parts of it. Sunshine and pure air are the greatest blood purifiers.

A very dusty house is not desirable. Constant breathing of a dust laden atmosphere invites catarrhal troubles. Dust has its place in the poultry house, and that place is in the dust bath, which should be located in some sunny corner of the house or shed. The dust bath is a necessity, since it is the natural method of cleansing skin and feathers, and keeping down vermin.

The roosts should be so placed that fowls are not required to do much jumping.

The presence of vermin is prejudicial to health. A lousy fowl will not long remain a healthy one. The nest boxes should come in for their share of cleaning at least once a month, since they afford convenient hiding places for vermin. The poultry house should be kept clean, and droppings should never be permitted to accumulate.

Artificial heat may do more harm than good, since the fowls cannot lay aside their wraps if it gets too warm, and often the difference in temperature between that of the house and the outside run will be so great that there will be danger of the birds taking cold.

For the large comb varieties, danger of frostbite may be averted by using burlap curtains about the roosts on cold nights.

Crowding on the roosts must be avoided if freedom from colds is to be had, for crowding is almost certain to result in sweating, and subsequent chill.

Dampness should never be tolerated; fowls cannot thrive in damp quarters.

Impure water should not be allowed within reach of fowls.

Metal water dishes, if kept clean, are

all right; but glazed earthenware ones are better. They should be so made that they can be easily and thoroughly cleaned—should be well rinsed each time refilled, say twice or three times daily. Once a week they should be washed and scalded.

Food has its influence on health. The amount of food, the variety, and method of feeding, depends largely on what your fowls have been accustomed to. Damaged food is money wasted.

Warm mash—not hot—should be fed at evening meal. Whole grains should be scattered in litter.

Green food in the shape of cabbages, beets, and mangels, fed whole and hung up for fowls to pick at, furnish healthful food, and induce exercise. Clover probably feeds to best advantage in the mash. Green foods and some meat food are, in addition to grain, essential to health.

A little salt in the mash food is promotive of better digestion. The mash is necessarily an artificial food, and salt serves to favor more ready absorption. The mash should be fed in clean troughs, which should be thoroughly cleaned at frequent intervals.

Tonics and medicinal foods will undoubtedly help fowls of unsound constitution to ward off disease; but herein lies the disadvantage, if we are to have and hold healthy fowls we must not breed from birds that require constant dosing. We should breed and feed for health.

The less dosing our fowls get the better. Healthy stock should need little or no medicine. At times a little granulated charcoal in the mash will prevent an attack of bowel trouble.

Healthy fowls, if in good condition, as they should be if healthy, seldom become victims of contagious disease.

KIMENOUR'S BARRED PLYMOUTH ROCKS.

(In February issue of A. P. J. an error occurred on page 74, in crediting J. B. Kimenour's name to the illustration of a bird not belonging to him, and which, of course, did not fit the description given below it. We announce this correction and publish this month illustrations of two of Mr. Kimenour's birds and insert illustration of wing of his crack cockerel in his ad.—Ed.)

The accompanying half-tone illustration was reproduced from true photograph of J. B. Kimenour's crack cockerel, taken when the cockerel was seven months old.

This cockerel now weighs 9½ pounds and has grand, rich, yellow beak and legs, and a very fine low five pointed comb. His barring is very narrow and exceptionally fine and has good, sound undercolor. His surface color is very fine and even throughout. He refused $75 for this bird, as he wants to use him in one of his finest matings. From same pen that produced him he sold two cockerels at $50 each and has four more cockerels also from this mating, two of which he will sell at $50 each and the other two will head fine breeding pens. He has all of the original pen that produced these birds. They are all grand, large birds and in perfect health. They will be mated same as last season. He will have all told ten pens of Rocks second to none, and most birds in them are tried breeders; the others are very fine show specimens. He makes a specialty of grand size. Mr. Kimenour says in a letter to A. P. J.: "I find too many judges and breeders favoring small specimens simply because they have strong undercolor. I do not want this strong undercolor, if I must sacrifice size, shape and fine, rich surface color in order to get it. However, I want in my Rocks good, sound barring to skin." He will also have only two pens S. C. B. Minorcas, the cream of his large flock. The demand for his strain of Barred Rocks compels him to close out other breeds. He never uses a catalogue, always preferring to write a personal letter, so if customers do not mean strictly business, please do not ask for prices and particulars. To all that mean business he will answer fully and send photographs (not ideal cuts), to give an idea of style, etc., of his strain. Mr. Kimenour has just completed fitting up a 17½-acre plant second to none.

Mr. Kimenour believes thoroughly and positively in the use of half-tone illustrations of birds, reproduced from true photographs, not "touched up" or altered in the least, and does not believe in representing individual birds by an artist's ideal representation.

HATCH Strong

CHICKENS

Then keep them healthy and growing if you want the *Pullets to lay* when five months old. When hens lay eggs for hatching mix in their food every other day

Sheridan's Powder.

It strengthens the hens; makes the rooster *more vigorous*; finally you get more fertile eggs and strong healthy chickens. Persons who *succeed best* in keeping Poultry, commence with little chicks; giving twice a week an even teaspoonful of Sheridan's Condition Powder mixed with each quart of food, gradually increasing the dose. Sold by druggists, grocers, feed dealers or by mail. Single pack 25 cts. Large can $1.20. Six cans, $5. Exp. paid. L. S. JOHNSON & CO., 22 Custom House St., Boston, Mass.

Poultry Do Have

These diseases. The first is what diphtheria is to human beings, and closely allied to that disease. *Symptoms* are, sneezing like a cold; slight watering of the eyes; running at the nostrils, severe inflammation in the throat, canker, swollen head and eruptions on head and face. **A breeder of fighting game** fowl which from their habits, are more liable to roup than others, gives us a **TREATMENT,** which he says is a **Positively Sure Cure for the**

ROUP, CANKER, Rheumatism, LEG WEAKNESS.

ROUP

By the use of

JOHNSON'S

Anodyne Liniment

Space here will not permit giving his full directions for use. Send to us for full particulars, by mail, *free.* It also cures all Bowel Complaints, Leg Weakness and Rheumatic Lameness like magic. Sold everywhere. Price, 35c., 6 bottles, $2.00. Express paid. Pamphlet free. L. S. JOHNSON & CO., 22 Custom House St., Boston, Mass.

Barred Plymouth Rock Cockerel—Bred and Owned by J. B. Kimenour, Belvidere, N. J.

PLAINFIELD POULTRY FARM—Laying-house for Hens. Length 240 feet.

PLAINFIELD POULTRY FARM.

Largest and Most Successful Poultry Plant in America—Evidence of the Value of Persistent Effort—Work Begun as a Small Side Issue Grows into the Chief Industry of the Originator's Life—A Lesson for Women in the Poultry Field.

The story of success may be told in varied form, but when it is analyzed, its component parts are found to be: Knowledge, gained by experience and applied to existing conditions with patience; pluck, industry and determination. The "vehicle," as chemists call the ingredient that gives bulk to the mixture, is money; but the acquiring of this preliminary capital is oftentimes the outcome of unexpected opportunity. That is to say, both the selection of a business and the acquisition of means to carry it on are the seeming product of "accident." Men are frequently forced into new conditions by what appears to be disaster, only to discover that calamity was beneficial. We may call this the workings of Providence or the action of Fate; but the history of great success is generally the same old story—the man and the opportunity came into conjunction, and the man was wise enough, strong enough to dominate the forces.

The history of the Plainfield Poultry Farm Company, of Plainfield, New Jersey, is one of the most interesting examples of success in our especial domain. Herein are answered several questions that are constantly being asked by would-be poultry raisers. At the same time, these inquiries are responded to in a manner to prove that the poultry industry is a business, subject to precisely the same laws as govern all other commercial and productive enterprises. There are here found the rules of average, in the problem of success versus failure, and the same demands regarding intelligent, persistent, patient labor. All great affairs are matters of growth. Nothing exists that sprang up fully developed.

With these philosophical thoughts in mind, let us consider the details of the lesson in hand.

Eleven years ago S. B. Corby, whose

PLAINFIELD POULTRY FARM—View of a Portion of Colony Houses. Range of 266 square feet for each Bird.

PLAINFIELD POULTRY FARM—Main Laying-house for Ducks. Length 400 feet. Feed House Attached.

home was in New Jersey, was a commercial traveler for a Detroit, Mich., wholesale house. He was successful. His chief objection to his vocation was his enforced absence from his family. When at home his pleasure was found in caring for a score of beautiful White Leghorns. During his absence Mrs. Corby attended to the little flock.

In 1890 Mr. Corby attempted to make his New Jersey farm, whereon his home was located, a profitable investment. He expended a liberal share of his earnings in improvements on the place, only to learn, three years later, that agricultural products in the East could not be sold at a profit in competition with the vast West.

Misfortune never comes singly. With the loss of money on this farm, came a loss of health, in the effort to work harder "on the road." Mr. Corby returned home. He realized that his poultry had paid while his crops had been a loss. But he had very scant funds to draw on for a change in the farm. Mr. Corby says he informed his wife that it was now her time "to act as life partner in a business sense," and by their united efforts "make a living out of the small flock of poultry."

Here we have illustrated the fact that seeming disaster actually drove him into the business. Failure of theories on a farm was not sufficient; failure of health came to add the determining power. But there was no money; therefore money must be made. He had a small flock of poultry—he had a noble wife!

In the face of disheartenments, Mr. and Mrs. Corby set to work to utilize the experience gained in the small yards. Neither knew the least thing about incubators. No help was employed. Mr. Corby made a brooder and started in with an incubator. That year they raised 60 out of the first 100 eggs. Some of these broilers were sold at $1.50 the pair. That looked like victory.

Then a neat trade was built up by advertising the fine stock. Orders exceeded the supply. But the new firm "had troubles of their own." Cats, rats, hawks! All the well known list. Still—and here comes in our philosophy about persistent, intelligent, patient endeavor—the little "plant" grew. It didn't fledge in one day—it just grew; and, oh! how tired the workers used to get. No more patent leather shoes and fine clothes; but overalls and dusty, dirty work. There were "kickers" who threatened to "expose them as frauds," because Wyandotte eggs would not hatch at first snow-white chicks, and because a bird was "not like description." You older breeders know all about that—the younger ones will learn in due time. This "growth" business is fertilized with women's tears and plowed with men's explosive remarks.

But, like the little peach, "it grew and grew." We are pleased to say that Mr. Corby gives Mrs. Corby full credit

PLAINFIELD POULTRY FARM—A Few Young Ducks on North side of Pond.

for her efforts to "save the farm." The business became so large that additional capital was required. A few years ago W. H. and Geo. T. Schoonmaker became associated with the Corbys.

Forty Cyphers incubators are now operated, with 15,000 egg capacity. Market poultry is sent to New York and nearer points. Breeding stock and eggs are shipped wherever transportation lines run. Mr. Corby has "won out."

Fair dealing, guaranteed satisfaction, and exact business methods. These are the rules of the Plainfield Poultry Farm, the largest poultry plant in the United States.

The farm contains 130 acres, devoted no longer to competition with overwhelming western ranches but given up to products the West does not thus present.

Several beautiful pictures might be made from the landscape here. We try to reproduce two or three, showing the disposition of land and water fowl ranges.

The purpose of this sketch, however, is not to explain the size and the method of this farm, but to teach novices that poultry can be raised on a large scale with profit. All who try this work do not succeed. Many venture in the field expecting to find an easy road to fortune. To those who earnestly desire to engage in the business, we suggest a trip to Plainfield. There are hotels near by; but probably Mr. and Mrs. Corby would not let visitors suffer from hunger.

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A BUFF PLYMOUTH ROCK BREEDER.

Mr. Theo. Hewes has this to say of one of Illinois' foremost breeders of Buff Rocks, in Reliable Poultry Journal:

"While at Freeport, Ill., September last I visited the yards of Mr. W. H. Weishar, the Buff Rock man. There may be some breeders of this variety who think more of Buffs than Mr. Weishar, but I have failed to find them. He is so wrapped up in this color that he uses buff window curtains in his barber shop, and says he loves to think of breathing buff air. He has a fine lot of Buff Rocks bred from the best blood money could buy, and the careful attention he has given them has placed him in the front rank as a breeder. He has about 200 young chicks, and they are remarkably even in color, comb and ear lobes. His show birds have that soft shade of buff that people are going wild over. and he manages to show males and females of the same shade of color. He made a remarkable winning at the Freeport fair, taking everything in sight on the Buffs and special for best pen of Rocks, all varieties competing. This we consider the most remarkable record made by any Buff Rock breeder in the country, and we congratulate Mr. Weishar on the quality of his stock and the elegant manner in which he shows it. Mr. Weishar is in fine shape to take care of the trade, and we guarantee him in every respect."

———o———

TO SET IT RIGHT.

It is impossible for A. P. J. to verify every statement of fact made in articles sent us, and published over the sender's signature. At the same time we most vigorously resent being made the medium of conveying alleged incorrect statements. In event that incorrect statements appear in A. P. J. we claim the privilege of allowing them to be corrected in our columns The following letter will explain itself:

Bridgeton, Mo., Feb. 15, 1899.
American Poultry Journal, Chicago, Ill.

I notice in the report of Mr. I. K. Felch of the Indiana State Show, published in your February number, that he says in his comment on the L. Brahmas that the first prize pen at St. Louis only took third place. Now, as I happen to own the first prize pen at St. Louis, and as I did not exhibit at the Indiana State Show, this statement made by Mr. Felch is incorrect, and I will be obliged if, in justice to me, you will make correction in your March issue. I cannot understand the reason for making any such statement as Mr. Felch made. It seems to me it was entirely uncalled for, besides being incorrect. Yours truly,

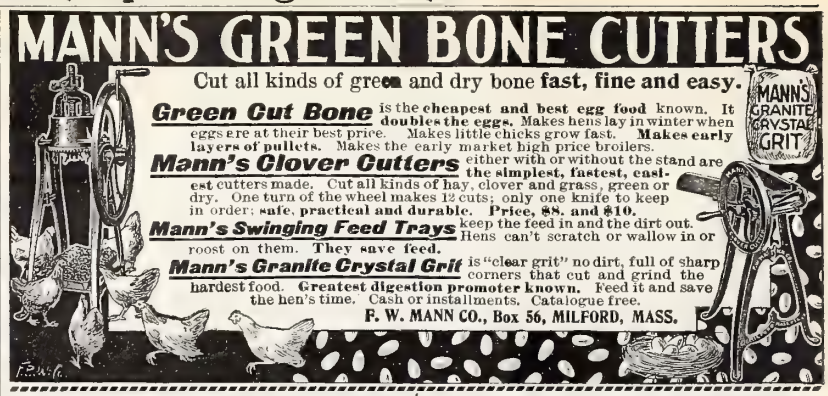
E. B. SMITH.

———o———

The following is a list of the show winnings made on Partridge Wyandottes by W. A. Doolittle, Sabetha, Kan., who commences a yearly ad. in A. P. J. this month: Sedgwick, Kansas, Dec. 5-10, 1898, first cockerel, first and second pullet; Wichita, Kansas, Dec. 13-19, 1898, first cockerel, first and second pullet; Iowa State Show, Davenport, Iowa, Jan. 2-7, 1899, first cockerel, first and second pullet; Chicago Show, Jan. 9-14, 1899, first cockerel, first and second pullet; Washington, D. C., Jan. 10-14, 1899, first cockerel, first and second pullet; Kansas State Show, Topeka, Kansas, pullets first and second.

———o———

When constipation proves troublesome, a little additional linseed meal and bran in the mash usually corrects the trouble.



Barred Plymouth Rock Hen, owned and bred by J. B. Kimenour, Belvidere, N. J. This hen is the dam of Mr. Kimenour's crack cockerel and weighs over 9 pounds. She has grand wing barring, perfect rich yellow legs and beak and a perfect 5 point comb. Her barring is fine throughout and her natural shape simply grand.

WITH ADVERTISERS.

J. H. Doane of Gouverneur, N. Y., was reported in the last issue of The Journal as having "a good supply of eggs from two Black Minorcas." Of course "two" should have read "his."

There is not a line of The Journal that goes unread. If you doubt this statement we are ready to prove it.

E. G. McCormack, Perrysville, Ind., has bred Barred Plymouth Rocks for more than ten years. He has a range of six acres, with grass and shade; his yards are 10x100 feet. On alternate days his breeding pens have the run of the place. He has never received a complaint. His stock is bred to win.

Henry Hess of Winona, Minn., won at Chicago, on Black Wyandottes: 1st cock 94½; 1st, 2d, 3d, 4th hens 94 to 93; 1st cockerel 93; 1st pullet 94; pen 1st.

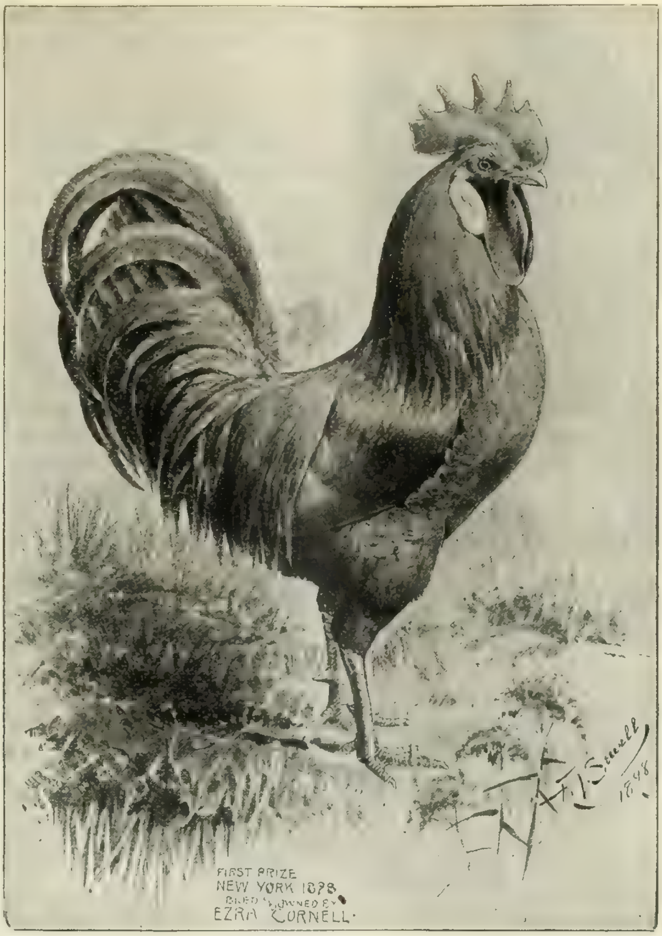
Kirkpatrick & Gundlack, box 326, Lincoln, Ill., have won on five entries of Langshans, at Peoria, 1st on cockerel, 1st and 3d on hens, and have equal records at Lincoln and Springfield, Ill. They also have light Brahmas of high grade. A mention of A. P. J. will insure prompt attention when writing them for eggs or stock.

S. H. Bird of Beaver Dam, Wis., won at the Monticello, Wis., show, Dec. 22nd, 1898, as follows: White Leghorns, 1st cockerel 90; 1st pullet 90½; 2nd pullet 90½. At Waupaca, Wis., Jan. 24th, 1899, he won on the same variety, 3rd cockerel 88½; 1st pullet 94½; 2nd pullet 92.

L. I. DeLancey of Elgin, Ill., writes us that he has recently made his third shipment of birds to Mexico, consisting of 86 birds, including turkeys, geese, ducks and chickens. This is an indication of the good business that Mr. DeLancey does and shows how widely his business is divided over the country.

H. S. Burdick of Rome, N. Y., is one of the most enthusiastic and intelligent breeders of Buff Plymouth Rocks in the country. He is now 72 years of age and has been a fancier of poultry since he was a lad. Twelve years ago he engaged in the poultry work as a specialty and for several years has devoted his entire attention to the Buff Rock. Our readers will find him a ready and willing correspondent on this theme.

J. R. Brabazon, Jr. & Co. of Delavan, Wis., whose advertisement appears in this issue, notify us that they have been obliged to treble the capacity of their plant to meet their growing trade. This they did by building one of the largest and most completely equipped poultry houses in the west. They have given particular attention to the breeding pens which are secure, large and roomy and well calculated to produce best results. These people lay great stress upon their extensive range which everybody knows is an element deserving careful consideration where constitution and vigor are to be desired. Mr. Brabazon, the head of the firm, has spent a lifetime in the poultry business and is well equipped for his chosen calling. He personally superintends the filling of every order entrusted to his care. They have just issued the second edition of their 1899 catalogue. It is a splendid work, printed in colors and containing much value to everybody interested in poultry. Send ten cents in stamps and procure a copy.



BUFF LEGHORN.

First prize cock at Madison Square Garden Feb. '98. Bred and owned by Ezra Cornell Ithaca, N. Y. This bird is a fine type, with good head and plumage, good size, and is very full in tail for Buff Leghorn.

Mrs. D. F. Heiser of Ottawa, Kan., won this season on White Rocks, 1st cock 93¼; 1st, 2d, 3d hen 94¾, 94½, 93¼; 1st, 2d, 3d pullet 96, 95¾, 95; 1st, 2d pen 189⅝, 187¾. Also cash special 10 highest, total 945½; best trio. On Barred Rocks, 1st cockerel, class of 18, score 91; 3d hen 91¼; 3d pen 181¾. Special 1st cockerel; special heaviest bird in American class; best display in same, and two specials on 3d pen. J. W. Wale was judge.

In our list of awards at Chicago show we neglected to show that R. M. Gard, Frankfort, Ind., won 1st on pullet. We regret this omission, as a first prize at Chicago is valuable. Mr. Gard's fine White Plymouth Rocks are still winning, for at Indiana state show, 1899, he won 1st, 2d, 3d, 4th cockerel, 1st, 2nd, 3d, 4th hen, 1st pullet, 3rd cock, 1st and 2d pens. This is certainly a grand record and seldom, if ever, equalled. Look up his large ad in this Journal for scores and price of eggs.

L. C. Norton of Mechanicsville, N. Y., sends us the following from the official catalogue, to correct the Boston show report in February issue of A. P. J.: Class 109, White Minorca cock—1st, 1097, Chas. A. Thompson, Melrose, Conn. Class 111, White Minorca cockerels—23, 1099, Louis C. Norton, Mechanicsville, N. Y.; 1st, 1100, Chas. A. Thompson. Class 112, White Minorca pullets—1st—1101, Chas. A. Thompson.

The Petaluma Incubator Co., Petaluma, Cal., is doing a fine business this year. The trade is being supplied on the Pacific slope with this successful machine. Eastern houses find the freights a disadvantage but this concern is on the ground and ready for business.

CHICAGO POULTRY SUPPLY HOUSE

We carry in stock every description of Poultry Supplies. Incubators, Brooders, Bone Cutters, Oyster Shells, Grits, Blood Meal, Peas, Millet Seed, Beef Scraps, Coops, Drinking Fountains, Lice Killers, Roup Cures. Buy of us and save the freight from eastern points. Send for catalogue.

F. S. BURCH & CO.,
178 Michigan st., Chicago, Ill.

Published the first of each month by
MORGAN BATES & CO.

Entered at the postoffice at Chicago, Ill., as mail matter of the second class.

Subscription price 50 cents a year in advance.
When delivered by carrier in Chicago 75 cts. a year in advance.
Payment for AMERICAN POULTRY JOURNAL, when sent by mail, should be made by money order, registered letter, bank draft or express money order.
Stamps can be sent for small amounts.
Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a faver by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

All copy for advertising and manuscripts for publication should reach us not later than the 20th of the month preceding the date of issue.

A GLANCE AHEAD.

The attitude of The Journal on some of the phases of management of the Chicago show naturally, we may say necessarily, induced a bitter feeling against us amongst those whom we criticised. We were a "disturbing element."

Sometimes a disturbance of conditions is beneficial to the body politic, as well as the body physical. This is one of those instances. Our disturbance of plans resulted in good to the organization.

There was a material saving to the treasury effected by the reduction of "claims" against the National Fanciers' Association of Chicago. One bill, for example, was reduced from $350 to $55, and another was proportionately trimmed. Probably the treasury is the gainer by more than $500.

We commend President Kimmey for his firm and courageous action in this matter. Seeing the right clearly, he walked boldly in the light. By this course he has doubtless created enemies that will not be soon forgotten; but he can endure such antagonism, strong in the consciousness of having done wisely and well.

The Journal has no desire to pursue this subject further. The Association will, in all probability, profit by the experiences of the past. We look forward to a time when The Journal will be able to indorse all of the policies of the Association. Before another issue of The Journal is mailed the annual election of officers of the Association will have been held. While we have no candidates to propose and no "political" work to do in this matter, we express the desire to see certain changes in the roster. The labor of the organization falls to the secretary mainly. We trust that an energetic, honest, disinterested man will be chosen to this responsible place. The secondary post of general manager should be assigned to someone whose interests lie with the Standard varieties of fowls and whose sole boast, by banner or word of mouth, is other than that he has "steel-tested pit games" for sale. The Chicago show of 1900 must be more than an adjunct to an unlawful and unrecognized cocking main.

The National Fanciers' Association is organized on the basis of a non-profit-seeking society. It must be conducted solely for the good of the poultry fraternity at large—those persons who are concerned in breeding fowls named in the Standard of Perfection. There must be no attempt at the conversion of public funds to private uses.

The Journal desires the friendship of all poultry fanciers, but it does not fear the enmity of men who profess to be fanciers and are untruthful to the cause.

It is a question open to discussion whether a union with the Illinois State Poultry Association is desirable. Perhaps such a combination will not be proposed this year. We doubt if the experience of the past season was wholly satisfactory. In view of this conjecture, we venture the opinion that the National Fanciers' Association is strong enough to go alone.

It is too early to discuss measures, but we elsewhere present an idea, suggested by Mr. McGrew, regarding a show circuit. One thing is self-evident: Chicago must and shall have a great show in 1900. The Association will do wisely if it bears this fact in mind when balloting for officers.

Result of Subscription Club Contest.

The result of the subscription contest that our readers are interested in and which closes March 1st will be fully announced in the April issue. The winners will be notified by letter just as soon as the result is determined.

The American Leghorn Club, at their New York meeting, February 2, 1899, elected the following officers: Ezra Cornell, Ithaca, N. Y., president; Jas. Forsyth, Owego, N. Y., William F. Whitney, Holyoke, Mass., W. E. Richmond, Buffalo, N. Y., and C. E. Howell, Elmira, N. Y., vice presidents; Geo. H. Burgott, Lawton's Station, N. Y., secretary and treasurer. The Executive committee consists of Aug. D. Arnold, William E. Bright, R. A. Homeyer, H. C. Jewett, Geo. E. Kraft, W. W. Kulp, Geo. W. Osterhout, B. G. Smith, E. A. Sander, W. H. Weibke.

The Aurora, Ill., Poultry, Pigeon and Pet Stock Association will hold its first annual exhibition at Aurora, January 8 to 13, 1900. In two months the society has gained a membership of 39 paid-up names. On January 20-21 they held a little scoring show, limited to members. B. N. Pierce was judge of poultry and J. M. Reil of pigeons. There were nearly 300 entries in the poultry list and 125 pigeons. The officers are: J. F. Harral, president; E. Denney and G. C. Howe, vice presidents; H. Moser, recording secretary; J. B. Stevens, corresponding secretary and J. Ferguson, treasurer.

The Milwaukee Poultry Fanciers' Association is in fine condition, with 40 active members and new names coming in. A monthly club show is held, with much success. The last one had 500 birds and 200 pigeons, some of them prize winners at the late big shows. The association is preparing for a great show next season. The officers are: R. K. Curtis, president; Emil Raasch, vice president; Fred Goetz, secretary and L. A. Weisner, treasurer.

The Middlesex Poultry Fanciers' Association, South Framingham, Mass., claims December 5 to 8, 1899, as the dates of their second annual show.

Mr. Frank B. White is ill and unable to furnish us one of his valuable articles on advertising for this issue.

Never coddle or baby either old or young fowls. Provide them with suitable shelter, and allow them to use their discretion about keeping under cover—only be sure that you have things so that they can run to shelter if they want to.

We can have healthy fowls by breeding from vigorous, healthy, mature stock from ancestors equally good. This will give us sturdy chicks if eggs are properly incubated—chicks kept growing with good care on free range. All our stock to be allowed warm clean quarters, plenty of fresh air and sunlight, pure water, good sound food, exercise, good care, and freedom from vermin.

NOTES AND COMMENTS.

R. W. Roberts, Camroden, N. Y., has done splendid work in developing the Buff Plymouth Rock. We suggest that all who are interested in this newest variety of the great American bird write Mr. Roberts for his very neat and readable circular.

A. A. Bisbee of Hartley, Ia., won on Buff Leghorns, at Mason City, Ia., as follows: 1st and 2nd hen; 1st pullet; 2nd cockerel. Mr. Bisbee writes us he has two grand pens mated for next season.

J. P. Painter, Middletown, Ind., won at Chicago show on White Rocks, 4th hen 93½; 5th pullet 93. At Logansport: Light Brahmas, 1st cock 91, cut 1 on weight; 1st hen 94½, and four other birds 92½ to 91½, cut on weight. White Rocks: 2d cock 93; 2d hen 94½; and seven prizes on young stock 93½ to 90, out on weight. These are splendid records.

"Common Sense Remedies" are offered poultry breeders by Mrs. Ella Thomas, Quarles, Mo. These are guaranteed to cure diseases in fowels. A cholera cure and an insect exterminator are specifically named. Mrs. Thomas has used this remedy in her large yards for 15 years, with great success as a preventive. The cholera cure sells for 35 cents a can, 1¼ lbs., the lice exterminator for 25 cents. Three cans of former, $1; 6 cans of latter, $1. Mention the A. P. J. on writing for the goods.

H. C. Eckert & Sons, Belleville, Ill., are known to the older readers of The Journal. They originated the famous Cyclone strain of Black Langshans. Stock and eggs of this strain are offered. The breeding pens score from 94½ to 96. On writing for special wants, mention A. P. J. Mr. Eckert will greet you as an old friend.

Grover & Grover, Concord, Mich., made a most satisfactory record this season on White and Buff Rocks and Black Javas. They won 40 per cent of firsts and more regular and special prizes on White Rocks than any of their competitors. The chief winning was the $25 cup on 10 best birds.

The advertisement of G. S. Singer, of Cardington, Ohio, will be found in this issue. Mr. Singer makes the celebrated Olentangy incubator, and has been making it for many years. It has proven a great success and is so guaranteed. It is arranged to regulate itself automatically, and a satisfactory hatch is assured, if the eggs are fertile and the very simple directions are followed. To supply a demand Mr. Singer makes a less expensive incubator. Write him for his catalogue and prices on incubators and brooders.

A. S. Parson, Garden City, Kan., won on Black Langshans: cockerel 1st 92½, 2d 92½, 3d 92; pullets, 1st 95½, 2d 93½, 3d 92½. No old stock entered. Also on White Plymouth Rock cockerel 93¼.

Mrs. Chas. Jones, Paw Paw, Ill., won at Chicago 4th on Bronze Turkey hen and 4th on Bronze Turkey pullet. Her yearling tom was weighed incorrectly and thereby appeared to suffer. Mrs. Jones has fine stock.

C. E. Pickering of West Liberty, Ia., won on Barred Plymouth Rock 1st pullet at Mason City, with 160 in the class. He also won 1st cockerel at Davenport, Ia., this being the only bird he had there. This is an evidence of the good stock Mr. Pickering carries.

S. J. B. Dunbar of Elkhorn, Wis., one of A. P. J.'s oldest advertisers, breeds fine stock and has been a breeder for 15 years. At Rockford, Ill., Jan. 1899, he won 10 prizes on Buff Leghorns and Bronze Turkeys. We can assure buyers of good treatment in sending their orders to Mr. Dunbar.

O. M. Davidson, of Austin, Ill., breeder of Single-comb Brown Leghorns, starts a yearly advertisement with this issue. Mr. Davidson tells exactly what he has to offer, and we had the pleasure of seeing some of his stock at the Chicago show last January, we can most heartily recommend his birds. He tells us no expense has been spared to have the best in his pens. In this he shows the true fancier's spirit and we believe those placing orders with him will be perfectly satisfied with results, as well as the treatment received.

W. L. Mills, Clear Creek, Ill., won at the Henry show of the Illinois Valley Association, this year, in a class of 80 Silver Wyandottes, 1st pen 185½; 1st cock 93; 2d cockerel 91½; 3d hen 98½.

S. E. McIntosh, Hardinsburg, Ind., won at S. Indiana show, under Felch, American Buff Plymouth Rock club's silver cup for Indiana, on best cock, hen, cockerel and pullet. He got all 1st and a number of minor specials, in a class of about 75. His scores ranged from 90½ to 93½. His Langshans went 92½ to 95.

U. R. Fishel, Hope, Ind., has five of the best yards of White Plymouth Rocks he ever raised. These matings will surely produce winners.

Rev. W. H. Hormel, Rutledge, Mo., has lately added two sons of the 1st prize cockerel at Washington, D. C., to his breeding yards. They are beauties. 10 and 11 pounds in weight, and make his Light Brahmas sure winners.

The Page Woven Wire Fence Co., Adrian, Mich., have a fence to keep fowls where you want them to stay.

A. Z. Copeland, box 85, Potomac, Ill., has prizes on his White Rocks from Danville show. He made 18 entries and took 18 prizes. His G. S. Bantams are fine.

Your Best Matings

Ought to receive the best of care. It is most important to dust them frequently with Lambert's Death to Lice to cause them to do their level best. It matters not how nice they are or how many prizes they have won, they will be nicer, cleaner, healthier and more profitable when free from vermin. Don't make the common mistake and think your birds are not lousy. Look among their fluffy feathers and see what you see.

Fertile Eggs

are always desired from breeding pens. These are the product of vigorous stock. Lice weaken a bird and subtract strength and vitality that should go into eggs. A quarter or even a dime spent for Death to Lice now would pay you many times over if it only saves you one choice egg and the one fine chicken. The best breeders assure you that a liberal use of Lambert's will result in

Stronger Chickens

than any one thing you can do in your poultry yard. You should know also that Death to Lice Powder is one of the greatest remedies ever invented for vermin on setting hens. It positively will not injure the hen, eggs or little chickens should they hatch in it; and the beauty of it all, you can put it on the hen at any time during incubation, and if before the lice take possession it will keep the nest clean, sweet and comfortable

This 1899

is to be the best chicken year on record. If you fail to make money it will be your own fault. You are not doing your best, and you know it. Before you are satisfied try

Death to Lice Powder for dusting fowls and setters. 5 oz. sample 10c. postpaid; 48 oz. 50c.; 100 oz. $1.00; by express from here or nearest agency

Death to Lice Ointment for head lice on chickens or children, also scaly shanks on fowls 10c. and 25c. postpaid.

Death to Lice Special for making a liquid lice or mite killer, 4 oz 10c.; 16 oz. 40c. postpaid.

Agent's outfit $3.00. Books, circulars and full particulars free.

D. J. LAMBERT,

Box 308. Apponaug, R. I.

Hatch White Wyandottes Chicks.

Hatch them early if they are to win at the fair next fall. Have them large and well developed in time to exhibit. There is no better time to set eggs than during March.

You cannot get eggs from finer stock than those that I furnish at $1.25 per sitting. Here is what some of my most recent customers for stock say:

MONEE, ILL., January 6, 899.

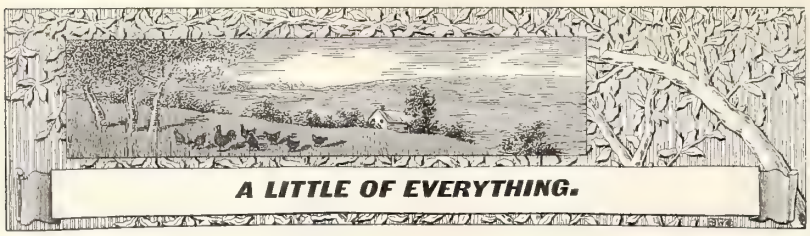
GEO. H. PHILLIPS,
Dear Sir:—I received the trio White Wyandottes O. K. Am well pleased with them.
Yours respectfully,
JACOB GLOOR.

GEO. H. PHILLIPS, ESQ.,
Dear Sir:—Cockerel rece'ved last night in good condition. Very good bird I think. Wishing you success, I am,
Yours truly,
JACKSON, TENN., 1-28, '99. W. L. BAIRD, JR.

CHICAGO, ILL., February 7, 1899.

MR. GEO. H. PHILLIPS,
Dear Sir:—Am rather tardy in acknowledg'ng receipt of birds. I received them last Friday in very good condition, * * * I am well pleased with the birds, thee are very nice, and if I have any sucesss with them I shall be pleased to do fur ther business with you.
Yours respectfully,
JOSEPH SIKYTA.

GEO. H. PHILLIPS, Box 320, Villa Ridge, Ill.



A LITTLE OF EVERYTHING.

A. C. Hawkins, Lancaster, Mass.—Give the poultry house sufficient ventilation to keep it dry. When the walls and roof are covered with frost and moisture there is not enough ventilation for good healthy stock. Fresh air is cheap.

S. S. Bache, Bound Brook, N. J.—"A little of everything" is good feed for both men and chicks, but don't give too large doses to the chicks. They can't stand it as well as the men. Don't overfeed.

Mrs. Anna Pollard, Washington, Ia.—That with proper care, individual mating and selecting of Pekin ducks one may attain most desirable fowls. I have succeeded in raising Pekin ducks not only with clear orange bills (in females), but fine style, shape and extra large size, weighing, young ones, 10 to 12 pounds each (hatched March 23, 1898).

Fred Grundy, Morrisonville, Ill.—Here's my plan: Inside of good chicken coop place a box 14 inches long, 12 wide, 4 deep. Pad well with soft straw and put in 17 eggs. At night set broody hen on nest and close coop dark. Make covered run 4 feet long and wide as front of coop. Set coop against south side of building, place run in front of it and put in corn and water. The third morning open coop door. Close after hen eats. Continue through hatch. Hatches every fertile egg, sure.

W. N. Smith, Ohio, Ill.—It will soon be time for the young chicks to be here. Now is a good time to think of their care and feed. Millet seed, fine grit, granulated bone, with a little cracked wheat or corn will bring them through in great shape. Try it.

Ezra Cornell, Ithaca, N. Y.—Blood will tell. Know how your breeding stock is bred. Know the pedigree of every bird. A good exhibition bird may be a "chance" bird and will not reproduce his type. Breed from good birds, but above all from well-bred birds—birds that were bred from generations of winners.

Hartnest Poultry Farm, box 7, Framingham, Mass.—I would like to hear a good reason for feeding the mash in the morning—a reason born of facts. My experience is wholly against the practice. What good end does it accomplish? To satisfy the fowls' hunger early in the day by feeding "what they'll eat quick and clean" is to take from them the one essential to success, viz.: The desire to hunt for that which will satisfy their appetite and thus induce them to take exercise all day long.

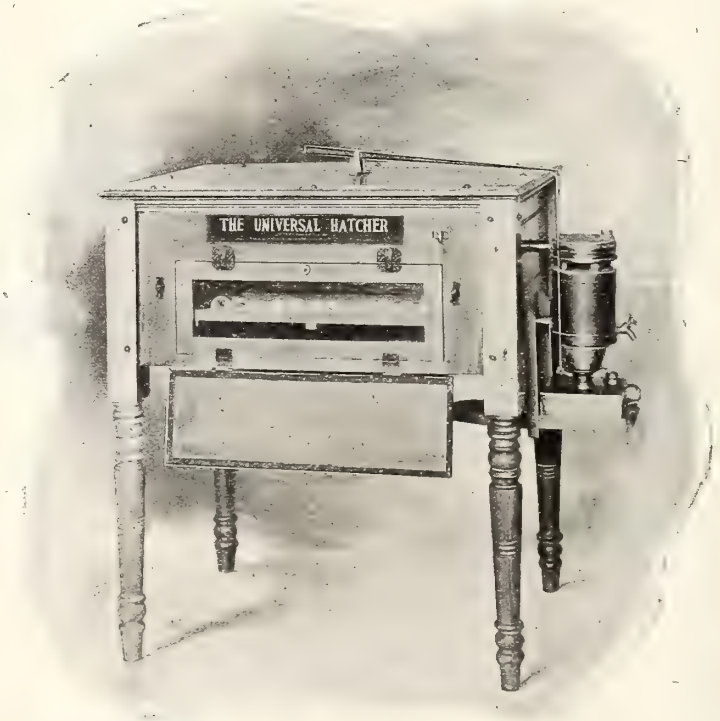
U. Grant Davidson, Manson, Ia.—If any of the brethren of this latitude have had any experience with poultry houses built of corrugated iron, will they please mention if they found them warm enough for the large-combed breeds?

H. H. Fike, Morgan Park, Ill.—Success in poultry is not based on the amount of money you can invest, but the amount of brains and good judgment. The former breeds for showroom honors, the latter for a strong, vigorous, prolific bird, and perhaps a living for the man thrown in.

L. W. Mittendorf, Lincoln, Ill.—The greatest mistake a chicken breeder makes is when he buys cheap fowls or eggs, either in beginning or to improve his stock. Cheap fowls or cheap eggs are dear at any price; whereas good stock and eggs from good stock, even if they cost double what the cheap does, will make you money. "Cheap" is a total loss at all times.

L. C. Norton, Mechanicsville, N. Y.—We are often too slow to profit by the experience of others. I have this winter proven this to the satisfaction of myself and the comfort of my fowls. How many times I have read "Hood your roosts," and I have said, Why should I? my house is warm. Now I say, "Hood 'em." It will be warmer. Now, when I raise the curtain every

The Universal Hatcher and Brooder.



Send 6c stamps and get our handsome catalogue, with a full description of the best machine ever put on the market.

E. W. ANDREWS & CO.,
211 R. R. Ave.,
Elmira, N. Y.

bird "comes off the perch" with a rush and a song, ready for their mash, and no slow, stiff-jointed ones among them. Again I say for the ordinary poultry house, "Hood 'em."

Frank W. McKenzie, Concord, Mich.—I attribute most of my success in the past in the show room to the fact that I have always saved my first prize winning birds, except in cases where I could not agree with the judges, and bred from these winners. Also placing great stress on the weight section and condition.

Mrs. Robert McKee, Washburn, Ill.—In buying birds for mating one should study the defects in his own flock; and the bird he wishes to buy should have the good points that his own flock lacks. Remember that the highest scoring birds are not always the best for mating.

Israel Root, Bloomington, Ill.—It will be well for practical breeders as well as amateurs to see to it that in mating they cull to the lowest number that is likely to supply demand for eggs, as this is the secret of success. Better lose a few sales than to breed from doubtful individuals.

Frank Heck, New Albany, Ind.—The series of articles by Frank B. White now being run in the American Poultry Journal make each number of the Journal worth the price of a year's subscription. If advertisers generally would read and digest these statements by Mr. White they would be greatly benefited and we would hear less of the cry that "Advertising does not pay."

D. J. Lambert, Apponaug, R. I.—The Rhode Island State Agricultural College is just finishing its second annual poultry class. Twenty students enrolled for the four weeks' course, and now at end of term they appear satisfied with results. The best specialists on different breeds and topics were brought there to instruct them.

C. H. Royce & Son, Detroit, Mich.—A setting of eggs was shipped in the Royce Safety Egg Box from Detroit to San Francisco, Cal., with the loss of only one egg cracked. How's that for the Safety Egg Box? Circulars can be gotten of the manufacturers.

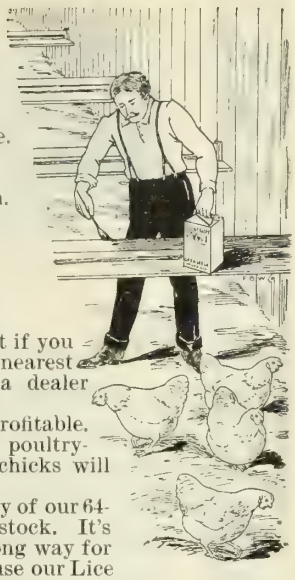
O. E. Thompson & Sons, Ypsilanti, Mich.—The little Junior Banner Root Cutter for poultrymen is taking like "hot cakes." It prepares the roots just as they ought to be for poultry. Cuts fast, fine and easy. Address for prices and booklet on "Winter Eggs."

J. R. Brabazon, Jr., Delavan, Wis.—An experiment at J. R. Brabazon, Jr., & Co.'s poultry farm, Delavan, Wis., shows that black Minorcas have laid more eggs from Nov. 1, 1898, to Jan. 10, 1899, than any other variety of fowls bred at their establishment, each breed being fed alike and having the same care.

E. S. Fitch, Bay City, Mich.—An incubator chick's first feed should be oyster shell, meal and bone meal, as this makes grit. Without grit their food will sour, clog them up and kill them. Thousands of chicks die from this cause alone.

W. L. Miller, Clear Creek, Ill.—I see much to convince me that many poultrymen make a mistake by attempting to rear too many breeds of chickens. In order to keep them pure they must deprive them of needed range

Lice and Mites



Mites and Lice on your poultry?
Paint roosts with Lee's Lice Killer.
All done.
Next morning look, and see all lice and mites lying dead on roost boards.
Many customers report finding them in piles a half inch deep where each fowl roosted the night before.
Seeing is believing.
Same with hogs or sheep.
Paint rubbing posts or sprinkle floor of sleeping pen.
All done.
No more lice, mites or fleas.
No handling, no labor.
Cheap.
Only 75 cents for a gallon can.
Want some?

Our catalogue gives a list of principal agents, but if you will write us we will send you the name of the nearest dealer to you who has our goods for sale; possibly a dealer in your next town, or perhaps in your own town.

Lee's Lice Killer makes poultry raising easy and profitable. Lice and mites are at the bottom of the most of the poultryman's troubles at all seasons of the year. Young chicks will have no lice if the old fowls are free from vermin.

Every user of Lee's Lice Killer should have acopy of our 64-page book on "Insects" and diseases of poultry and stock. It's free on request. There's a right way and a wrong way for everything. We want to tell you the right way to use our Lice Killer so as to secure the best results at the least expense.

Don't judge the genuine by the imitations. If there were no genuine, there would be no imitations. Adopt new methods. Hours spent in dusting and greasing the poultry can be more profitably utilized elsewhere.

Price of Lee's Lice Killer.		Lee's Insect Powder.		Lee's Tonic Powder.	
1 qt. can	$ .30	1 lb. box	$ .25	1 lb. box	$ .25
2 " "	.50	postpaid	.35	postpaid	.35
4 " "	.75	6 lb. box	1.00	5 boxes for	1.00
5 gal.	3.00	25 " "	3.00	25 lb. box	3.00

If no agent near you, write for agents prices. Address nearest office:

GEO. H. LEE CO., Omaha, Neb.

or 68 Murray street, New York.

Chenille Plant

(ACALYPHIA SANDERI.)

A RARE NEW PLANT.

This is the most striking and ornamental plant introduced in many years. It is a native of the South Sea Islands, is of easy and rapid growth, and blossoms continuously. The flowers are remarkable. They appear in pairs, and grow from two to three feet in length. They are of bright crimson color, drooping and mixing among the green foliage with charming effect. For bright and curious effect it has no equal. Price, each, 50c; 3 for $1.25, postpaid.

Our 1899 Catalogue is a Mirror of American Horticulture. It tells the whole story of the Garden, Lawn and Farm. Free with every order.

Vaughan's Seed Store,

NEW YORK, 14 Barclay St. CHICAGO, 84-86 Randolph St.

F.B.W.16.

Eggs Sure to Hatch

—the kind that will produce **strong, vigorous chicks,** depend upon the vitality of the hen that lays them. She must not be fed on **heating, debilitating food.** Really the best thing for the breeding hen is our

PIONEER CLOVER MEAL.

It makes young chicks grow rapidly. Wonderful for broilers. Makes sweet, tender, high-flavored flesh. It is made from clean clover hay, cured by our own special process so as to preserve all the bright green color and the delicious aroma and essential oils. It is ground into the finest meal by our powerful and specially designed machinery. **No additions, no adulterations,** but **clean, pure, sweet and wholesome poultry food.** Then, too, it is quite cheap—only costs: 50 lbs. $1; 100 lbs. $2; 5 lbs. 25c. Use it this winter and get eggs when eggs are worth money. Sample and editorial indorsements **FREE.**

The Bennett & Millett Co., Box A, Gouverneur, N. Y.

For a Morning Mash

It is not in hatching, but in rearing, the chickens that you meet with most of your mishaps. Diarrhœa, constipation, leg weakness, imperfect development and unnatural feathering all prove that the feed is improperly balanced. To overcome all of these difficulties, and to develop perfect fowls, feed American Poultry Food which is scientifically combined, and contains every element required to grow large, lusty birds.

Sold only in Sealed and Branded Sacks.

AMERICAN POULTRY FOOD

We freely offer the services of our Feed Expert to assist in the solution of all questions pertaining to the proper feeding and care of poultry, and invite you to write us on such matters, carefully stating your difficulties.

Practical Poultry Feeding, a little book covering a wide range of subjects of vital interest to Poultrymen, will be sent you free, post paid, on request. Address, **SCIENCE DEPARTMENT,**

The American Cereal Co.

1353 Monadnock Bldg., Chicago, Ill.

SILVER WYANDOTTES--HOMERS.

We commenced breeding them east fifteen years ago and have practiced single standard mating ever since. This year our Champion yard is headed by a 93 point cockerel Pierce. This bird's strong point is an almost perfect

Standard-Laced Wing-bar.

I have seen nothing so fine at the New York or Chicago shows. This cockerel is mated to birds that average 93 points; eggs from this yard $3.00, other good yards $2.00.

Our Imported Belgium Homing Pigeons have great pedigrees and speed records; none better at any price. Our price, $1.00 up.

FERGUSON BROS.,

Box 159. **AURORA, Ill.**

during the breeding season. The effect is to lessen their bodily vigor, rendering them more liable to disease. A much smaller portion of the eggs will be fertile and the money allowed for new breeding stock scattered.

John Bauscher, Jr., Freeport, Ill.—We find by several years of experience that the feeding of mammoth Russian seed greatly improves the laying quality in poultry; also find that it is very fattening. It can be raised much cheaper and with less labor than any other grain in almost any climate.

W. A. Hoyt, Whitewater, Wis.—The fowl's gizzard was made to use. They can use the miller's toll at home to good advantage. Use it to buy grit with.

A. J. Bargahiser, Rockford, O.—Would impress upon the minds of the people what great satisfaction there would be to both buyer and seller if the intending buyers would give full description of stock they wish prices on. Please don't write thus: "Your prices on stock," "Your prices on a pair, trio or breeding pen," "Your very lowest price," etc.

U. G. McAdam, Wenona, Ill.—As the time of year is at hand for mating your flocks, be sure that you have them properly mated and all surplus birds out of your yards, so that you can get them in first class breeding condition; not too fat nor too poor. Give them good warm houses and plenty of exercise. Keep free from lice by all means.

W. P. Coffman, Elkhart, Ind.—Any poultryman living near where celery is raised in large quantities can buy "celery clippings" by the bushel very cheap. These, chopped fine, and mixed with the morning mash make the hens lay better than any "poultry food" I have ever tried.

P. C. Burhaus, Seward, Neb.—Some people raise birds as others make rag carpet. That is, on the "hit and miss" plan. As a result they have a flock of "hit and miss" looking fowls, which often fail to score a single "hit." There is neither "fancy" nor money in such mating.

E. E. Arnold, Sandwich, Ill.—After a number of years' experience with poultry I find that a warm mash for the morning feed in the winter, composed of two parts of corn meal, two parts wheat bran and one part ground oats, is the best feed for your hens if you wisn to get eggs. Male birds like it, too.

Mrs. A. A. Bisbee, Hartley, Ia.—Breeds having low combs, as Plymouth Rocks and Wyandottes, can be allowed much more liberty in cold weather than breeds like the Leghorns and Minorcas. Do not judge of a fowl's hardiness without considering the breed to which it belongs.

"O. K." Billy Hughes, South Portsmouth, R. I.—Replying to your comment on that "joke" on the judge, I should say the joke was not on me, as the feather was still there after the judge had passed on the bird. Here was an old exhibitor who had not seen that questionable feather; also a well known judge who had passed it.

O. C. Link, Lincoln, Neb.—I think there should be a law to compel breeders to sell their birds on approval. Most breeders, especially of buff varieties, are color blind. A "light, even

BRABAZON'S POULTRY CATALOGUE FREE! It's a beauty, over 50 colored plates. Illustrates and describes fine Turkeys, Geese, Ducks and chickens; gives prices of fowls & eggs. Finest Buyer's Guide published. Inclose 10c. for postage, etc.
J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

BUFF COCHINS Exclusively.

Distinct strain. Sold on approval. Sure to please. Prices right. Eggs $2.50 for 13.
Wm. HAYDEN, Waukesha, Wis.

ROSE COMB BROWN LEGHORNS

See my record for past three years at Chicago. Chicago 1899, 4 firsts, 1 second, 2 thirds, 1 fourth, 1 fifth. Chicago 1898, 4 firsts, 2 seconds, 1 third, 2 fifths. Chicago 1897, 1 first, 1 second, 1 third, 1 fifth. Some choice cockerels for sale from $2 to $5. Eggs $1.50 for 13; $2.50 for 26.
C. J. LANCASTER, Maywood Cook Co., Ill.

Sunny Slope Poultry Yards.

Breeders of Barred Rocks of Sid. Conger's prize winners. Choice birds for sale good in shape and rich in color. Eggs in season; also Pekin Ducks of Rankin stock. Satisfaction guaranteed. Write for prices.
ALLEN HUTCHINSON, Prop., Compton, Ill.

ROSE-COMB
BROWN LEGHORNS,

Eggs for hatching from 1st pen only, headed by male bird scoring 94½ points.
1 sitting $1.50
2 " 3.00
WRITE
C. E. DURAND, Lake Forest, Ill.

Poultry That Will Give Returns Printing
Samples and Prices Free.
B. F. HUNTINGTON, Platteville, Wis.

BUFF ORPINGTONS, BUFF P. ROCKS, BARRED P. ROCKS, S. C. W. LEGHORNS.
Very high Score. EGGS In Season.
☞Send for Catalog. Stock for sale.
Cochranton Poultry Yards, Cochranton, Pa.

2000 PREMIUMS

were awarded my fowls at 12 State Shows in 1898. LARGEST RANCH in the west. We breed sixty varieties of choice land and water fowls. They are FARM GROWN which makes them strong and thrifty. **FOWLS & EGGS FOR SALE** Send five one-cent stamps for new large illustrated catalogue.
CHAS. GAMMERDINGER, Box 48, COLUMBUS, OHIO.

NOTICE.

This is to certify that I have sold my entire stock of Buff Cochins and good will to Lynnhurst Poultry Yards Glassboro, N. J., with the request that all my old patrons direct their inquiries to them, said right to extend to Dec. 24th, Nineteen Hundred and One. 2-4
Geo. G. McCormick, London, Ont.

2000 BIRDS FOR SALE

of 50 leading varieties of Standard Bred Poultry. Largest breeder of exhibition stock in the West. Write for prices on stock and eggs before buying. My Poultry Annual and Receipt Book for 10 cents in stamps or silver.
C. N. BOWERS.
Box 87, Dakota, Ill.

Eggs Reasonable from Thoroughbreds

90c for 15, $1.75 for 30, $2.50 for 45, $4.00 for 75, $5 00 for 100. Fertility guaranteed. Order from this; Remitting by P. O. Order, or write for Catalogue Free. Stock at $1.50 to $5. each, from White Buff and Barred Plymouth Rocks, White, Golden and Black Wyandotts, S-c. Buff, Brown and White Leghorns, R-c. White Legs S. S. Hamburgs, Red Caps, White and Black Minorcas, Light and Dark Brahmas, Red Pyle Games, Houdans and Mammoth P. Ducks; also $1.50 for every 15 eggs from Sherwood's White Wonders. White and Cornish Indian Games, Black Javas and American Dominiques.
The Reliable Brookside Farm, Nelson, Pa.

surface color" means a dark buff with some of them. (This is a suggestion that can hardly be accepted. The buff birds are still in the experimental stage, as far as the new varieties go, and there is no fixed standard of shade. Taste and sensibility rule. Breeders will never assent to the shipment of birds on such a plea. The better way to reach an understanding is to ask for determining feathers.—Ed.)

S. S. Parsons, Garden City, Kan.—Use care first and try to avoid sickness among fowls. If by any means sickness develops, use the hatchet. You will save money and remain a fancier or breeder longer by doing so.

J. J. Burnside, Milligan, Ind.—Early hatched chicks grow and develop better than late ones. The late hatches are not fit to use as breeders. They are not fully developed. The early hatch gets there.

E. M. Durham, La Clata, Mo.—In reply to questions by beginners, I believe the best fowl for novices is the White Plymouth Rock. I have studied this question carefully for eight years.

Tillman Easley, New Market, Ind.—From my observations at the Chicago show I say: Breeders must work for smaller combs on the White Rocks. The specimens were very white and large, but most of them had excessive combs.

T. H. Harris, Berne, Ind.—One great thing for a purchaser to do is to describe just what is wanted. But another thing is for the seller to ship just what he sold. I once bought a pen of White Wyandottes, and from a poultry judge, too, described as very white, but in the letter at time of shipment, he said the cockerel showed some "straw," but had been fed yellow corn and would make a good breeder. Another time I was made a special offer of a White Plymouth Rock cock—"not another as good in five hundred," but I was to write a letter for publication. When the man sent the bird he wrote: "Do not say anything of brass surface." Wanted, more honor. Ship what you sell.

———o———

C. A. Damon, 2470 Monroe street, Chicago, should have received credit for first pen and first cockerel on S. C. Brown Leghorns at the recent Chicago Show. We take pleasure in adding this to the list of Mr. Damon's winnings.

———o———

O. E. Skinner, Columbus, Kas.—I have 900 splendid fowls. My first hatch was in the early part of January. Partridge Cochins are my favorites and I have a nice lot of them.

———o———

Fowls of various sizes and varieties do not do as well running together as if they were in separate flocks.

Tubercular persons or animals should not be permitted to be near your poultry.

———

Kirkpatrick & Roundlach of Lincoln, Ill., entered five Leghorns at Peoria and Lincoln shows. At the former they took 1st on cockerel and hen and 3d on hen. At the latter place they took 1st on cockerel, cock, pen; 2d cock; 2d pullet and 3d hen. On Light Brahmas they won 1st on hen, pullet, pen; 2d cock; 4th cockerel.

WHITE PLYMOUTH ROCKS---Exclusively,

Choice young stock for sale, eggs from pens that scored 94½ to 96½ by H. A. Bridge, $1.50 per sitting, $2.50 per 2. Circular free, Member A. W. P. R. Club.
J. S. HOFFMAN, Sharon, Pa.

WHITE WYANDOTTES, Only.

Eggs that will hatch a specialty. From stock that are as good as can be found anywhere at any price. They have never had roup or any other disease. They are beauties and will please the most critical. Eggs 13 for $1.50, 26 for $2, 50 for $3, 100 for $5. Reference Havana National Bank.
HARRY HILL, Box 327, Havana, Ill.

Do Our W. P. Rox Stay White?

Our 2-year old cock is like snow, so are his mates. Eggs 13 for $1.25. Pekin Ducks that are big fellows, eggs 11 for $1.25.
GEO. OWEN,
Box 32, Wray, Col.

LIGHT BRAHMAS--Mammoth Strain

Have 10 yards headed by **cock scoring** 93¾ by Brown. **Highest scoring Brahma** at Shenandoah Show, and his **cockerels scoring** 92 to 95, also **3rd prize cock** at Malvern Show. **Egg orders** booked now **$1 for 13** (regular price $1 to $3 for 13) **stock at $1 to $1.50** each. Circulars free.
J. G. LEMBKE, Box 25, Griswold, Iowa.

Buffinton's Buffs

Still take the lead. Hundreds of prizes won at such shows as Madison Square Garden, Buffalo, Hagerstown, Hartford, Providence, Boston and nearly every local show in New England. We have the only flock of good Rhode Island Reds in the country. Eggs from Buff Wyandottes, Buff Plymouth Rocks, Buff Leghorns, and Rhode Island Reds, $2.00 for 13, $5.00 for 40. Buff Cochins, Barred P. Rocks and White Leghorns, $1.25 for 13, $3.00 for 40. Incubator eggs from fairly good stock, $3.00 for 100, $5.00 for 200. For $1.00 we will send receipt of Sampson's method of feeding hens for eggs. Send for circular.
ROWLAND G. BUFFINTON,
Box 677. Fall River, Mass.

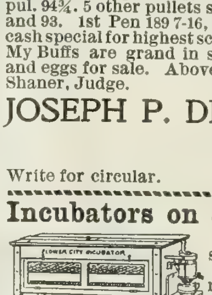
BUFF WYANDOTTES.

Winners Wherever Shown.
Send for circular giving prizes.
Some fine young stock for sale.
Eggs $2.50 per Sitting.
C E. ELLSWORTH, Danville, Ill.

Buff Cochins
EXCLUSIVELY.

At Lincoln, Ill., 1899, won as follows in hot company: Entered 15 birds. 1st ckl. 94, 2d ckl. 92½; 1st cock 93½; 1st hen 96¼, 2d hen 94½, 3d hen 94¼; 1st pul. 95½, 2d pul. 95, 3d pul. 95, 4th pul. 94¾. 5 other pullets scoring 94, 93½, 93½, 93½ and 93. 1st Pen 189 7-16, 2d Pen 187⅝; also won cash special for highest scoring bird in showroom. My Buffs are grand in shape and color. Birds and eggs for sale. Above birds scored by W. B. Shaner, Judge.
JOSEPH P. DEHNER,
Lincoln, Ill.
Write for circular.

Incubators on 30 Days Trial



Thousands of these in successful operation, most profitable money makers in existence. All machines are equipped with the very best latest improvements. Large illustrated circular 5c. Large valuable catalog. 10c. Address,
Flower City Incubator Co., Rochester, N. Y.

BUFF WYANDOTTES, EXCLUSIVELY.

One grand yard, females scoring 90 to 93. Headed by a 92½ cockerel. Eggs $2 per 15. Two cockerels for sale, scoring 90, 90½; stock scored by Heimlich. Hewes, Pierce and Tucker, and won wherever shown. **B. J. LUCAS, 1002 Robinson st., Danville, Ill.**

1876 **Eggs $1 Eggs $1** 1899

From prize winning Light Brahmas, Buff Partridge and White Cochins; **Buff**, Barred and White Plymouth Rocks, Silver and White Wyandottes, Houdans, W. C. B. Polish, 23 years' experience. All high scoring birds. Eggs carefully packed in baskets to carry safe any distance, $1 per 13. **L. BAIRD & CO., Eureka, Ill.**

Weishar's Buff Plymouth Rocks

Were never so fine as this year.

Eggs from my prize winning pens, $3 for 13, $5 for 26, $7 for 39. I have 1st, 2d and 3d on cock; 2d on hen; 1st, 2d and 3d on cockerel; 1st and 2d on pullet; 1st, 2nd and 3d on pens. They have the Golden Buff color throughout, including under color. Address

W. H. WEISHAR, 71 Stephenson st., Freeport, Ill.

E. H. EPPERSON, Champaign, Illinois

BREEDS AND SELLS

Exhibition Barred and White Ply. Rocks, and Mammoth Bronze Turkeys.

At Paxton, Ill., show, Nov. 29th to Dec. 2d, 6 regular and 5 specials. 1 special of a $25 P. C. Pig for best pen B. P. Rocks; 12 birds entered, 110 B. P. Rocks on exhibition, B. N. Pierce, Judge. I enclose card to what I did at Crawfordsville, Ind., fair, B. N. Pierce, Judge. At Champaign fair Aug. 30th to Sept. 2d, '98 won 1st and 2d breeding pen, 2 pair of fowls, D. T. Heimlich, Judge.

Eggs $2.50 per 13, $5 for 30. No stock for sale before Nov. 1st, '99. Satisfaction guaranteed. Farm raised; free range. Ref.: Champaign Nat. Bank, by permission.

Well, Well, Well!

Grant's Buff Cochins and Lt. Brahmas

Again Victorious

at the great Elmira Poultry Show, winning on Buffs, 1st and 3d cocks, 1st, 2d, 3d, 4th and 5th on hens, 3d and 5th on pullets, 1st pen and special on Lt. Brahmas, 2d on cock, defeated for 1st by ½ point, 1st, 2d and 5th on hens, two 3d on cockerels and the mayor of the City Silver Cup for the 10 highest scoring Asiatics. A few good birds left for sale cheap; write at once. Eggs $2.00 per 13 straight. I am New York State Agent for Mrs. Ella Thomas' cholera cure and insect exterminator.

JOSEPH H. GRANT, Elmira Heights, N. Y.

Arnold's Buff Leghorns.

253 PRIZES SINCE 1890.

At Crystal Palace, England, New York, Boston, Washington and Hagerston.

No finer matings on earth than ours this season. Eggs from our best matings at $5 per 15, $9 per 30, $12 per 45. Other fine yards, $2 per 15. We guarantee 10 chicks to each sitting.

Buff Plymouth Rocks.

Only two yards, but the finest money would procure. A few sittings at $5 per 15, $9 per 30, $12 per 45. Send stamp for Catalogue.

AUG. D. ARNOLD, = = Box 77C, Dillsburg, Pa.

Barred Plymouth Rocks,

Photo of wing from my crack cockerel.

Single-comb BLACK MINORCAS.

Birds of Quality Bred Right.

10 Grand Pens, All either tried breeders or very fine show birds and also every one a finely bred individual. I do not breed any bird that is not only a grand specimen but that is also bred right. Two pens of S-c. B. Minorcas, the cream of my large flock.

Eggs. Books now open for egg delivery after March 15th.

New Poultry Plant of 17½ acres and one of the finest in the United States.

Only those meaning strictly business write and I will give all particulars and send photos so parties can get an idea of style, etc., of my strain.

J. B. KIMENOUR, Belvidere, N. J.

"NEEDS OF POULTRYDOM."

Several suggestions were made by T. F. McGrew, the well known writer and fancier of poultry, at the banquet held in this city January 11, during the progress of the Chicago show. Such a paper as Mr. McGrew read that evening calls for a more distinctive treatment than a mere reproduction of its words in type. We postponed comment until the pressure of show reports was somewhat lifted from the pages of The Journal.

The first point made by Mr. McGrew was in regard to market poultry as a commercial possibility. Despite the losses and failures in the East, notably at Hammonton, N. J., the speaker declared his belief in the success of the work. More profit can be derived from market poultry than is now made by breeders of swine and cattle.

This statement seems reasonable in view of the fact that, with the unorganized labors in this field, the aggregate returns from poultry meat and eggs exceed those of either swine or beef. The demand for table supplies is increasing and the taste for poultry is unquestioned. The science and art of raising poultry for market are yet to be demonstrated; but that the time is nearing when this better condition will obtain is no longer a matter of doubt.

The call for information by the people was never equal to that of the present hour. The circulation of "poultry literature" was never so extended as now, nor was the grade of publications ever before so high.

But the raising of poultry for market, as a business, and the cultivation of thoroughbred fowls as an artistic, and even an economic, diversion are distinct branches of the work. Mr. McGrew recognizes this fact and we coincide with him.

There is a fraternal feeling amongst fanciers that far surpasses the sense of pecuniary profit. Poultry exhibitions must be maintained by this social sentiment. Rivalry must exist only on the plane of desire to excel in the production of perfect specimens based on the ideals of fanciers. Trade in the more profitable realm must come from exhibition stock and prize-winnings.

There were never so many poultry shows held in this country as during the season just ended. The spirit of the fancier is imperishable. Men drop out, only to be replaced by the younger generation. These newcomers bring in new ideas and bolder methods. They keep step with the progress of the times.

Shows are now held from midsum-

mer to March. Mr. McGrew alludes to this changed condition as a matter in evidence to prove the extension of the fancy. He is right. All this is founded upon a definite system; built upon a substructure, of which the Standard is the keystone. On this subject, and the kindred theme of judging, Mr. McGrew said:

"The better and stronger guide for judging does not call so much for a changed Standard as for a better and fuller understanding of what we have. But few of us know full well the text requirements for the breeds we handle. No one can claim to fully understand the written law as pertaining to the classes he handles until he is able to apply it as the judge he so often criticises. The grandest tribute paid to our judges is the fact that seldom, if ever, do we hear of a recorded protest being decided against the judge's opinion. Often, a stranger in a strange land, is he upheld in his awards by the local committee against the dissatisfaction of the exhibitors. Don't think for one moment that I would argue the infallibility of the judge. Well do I know by experience that they may err in judging, but I do contend that they act on their best judgment and in a fair and honest manner.

"While considering the question of exhibitions and their management I shall venture, in the midst of this so-called 'land of the score card,' to give the feeling of 'way down easters' with reference to the mode of judging. Only a few antagonize the use of the card; many uphold and use it in their exhibitions, while some make use of the method to decide their so-called comparison awards. No man on earth has more respect for the score card than I. It is simply a matter of preference. While you here in Chicago select by preference these gentlemen to handle the pencil and card in passing judgment upon your display, next Tuesday [January 17] in Boston at 8:20 a. m., twenty-eight men will by comparison begin the work of judging that large display. By 10 o'clock Wednesday all award ribbons will be in position on the coops; marked catalogues will be on sale and the laborious work ended. All the excitement of expectation is gone, and each one settles to the business of the hour by giving full attention to the would-be purchasers. Not for one moment would a single voice be raised in antagonism to your selection. As dear to your heart as may be the score card, that affection is not greater than our respect for your selection. We say not that the score card is objectionable, but maintain that for our purpose the method

BUFF COCHINS *EXCLUSIVELY.* Dec., 1898, at Galena and Dubuque shows they won. Over 600 birds at Galena show. Had 10 highest scoring birds of any variety; also highest scoring pen, now up to weight, score 190¾. No birds in my breeding yards scoring less than 92. If you want eggs from full feathered, up-to-date stock write
A. M. BRICKLER, Galena, Ill.

DAVIDSON'S LIGHT BRAHMAS **Are Winners** At Mason City, January 24—27—1899

2d cockerel, tied 1st. Also two of my birds tied for 3d, the heavier winning. No pullets exhibited. Birds for sale with score cards by Shellabarger and Shaner. Eggs for sale, $2 per 13. Prices of stock way down. Mention A. P. J.
U. GRANT DAVIDSON, Manson, Iowa.

BLK. LANGSHANS, LT. BRAHMAS.

Prizes won this season: B. L. Peoria, 5 entries, 1st cockerel, 1st and 3d hen; Lincoln, 1st cockerel, 1st and 2d cock, 1st pen, 2d pullet, 3d hen; Springfield, 5 entries, 1st cock, 1st, 3d and 4th hen, 1st pen. We now have the hens that won 2d and 4th at Bloomington, 1st and 2nd at Lincoln. Light Brahmas, Lincoln, 1st hen, 1st pullet, 1st pen, 2d cock, 4th cockerel. Eggs and stock for sale.
KIRKPATRICK & GUNDLACK, P. O. Box 326, Lincoln, Ill.

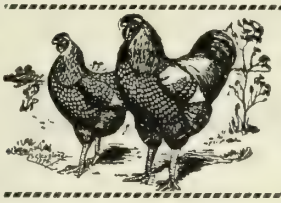
Buff Plymouth Rocks, Only.

Now "Old Glory" proudly waves o'er Porto Rico; The Philippines are ours, and Cuba free;
Vast armies must be paid, you can meet the taxes laid, by breeding Burdick's Nuggets,
"don't you see."

My strain is well known as producing the winners at all the leading shows, Chicago, '99, included. Matings for 1899 surpass anything before attempted. Eggs that hatch, for March, April and May, $3 for 15. After May, eggs again half price. Breeding and exhibition stock always reasonable. Fifty fine breeding cockerels reasonable. Write ***H. S. BURDICK, Rome, N. Y.***

White Wyandottes--Pit Games.

We breed Duston and Knapp Wyandottes and Graves, Grist and Rossiter strains of steel tested games. A square deal and a fair hatch guaranteed. **EGGS $2 PER SITTING.** All eggs and stock shipped from Chicago. We guarantee a fair hatch and will prepay express charges on all egg orders received during March and April.
BROWNE & MANN, 428 N. 53d st., Austin, Ill.



Doolittle's Wyandottes

Golden, Buff and Partridge.

Winners at Chicago, Washington, D. C., Davenport, Iowa, The great Mid-continental, Kansas and Nebraska state shows. Stock and eggs for sale. Send stamp for catalogue to
W. A. DOOLITTLE, Box 399, Sabetha, Kans.

GOOD AS THE BEST.

FIVE DOLLARS IN GOLD

to any one who wins a prize at any show with stock raised from eggs bought of me. My **White and Barred Rocks** are as good as can be found and will produce winners. Eggs $2. per 13, $3.50 per 26. Write for further information. **H. C. GROOMES, Box 948, New Haven, Conn.**

I Won on Barred Plymouth Rocks,

I. K. FELCH, Judge,

At Central Wisconsin Poultry Ass'n show, held at Waupaca, Wis., Jan 24-27-1899, 68 birds competing, 1st and 2d on cockerel, 1st and 2d on hen, 1st and 2d on pullet, 1st on pen, score 185¾. I shall breed this season 4 Grand Pens and will use the single mating (the coming mating for B. P. R.), and will sell eggs for hatching from pens 1 and 2 at $3.00 per 15 and $5.00 per 30; from pens 3 and 4 at $2.00 per 15, $3.50 per 30. These are the only pens I shall have this season. Your orders solicited. Address
G. N. KERSTEN, Chilton, Wis.
Mention A. P. J.

NORTH SIDE POULTRY YARDS

SILVER and BUFF

WYANDOTTES

WINNERS AT THE CHICAGO SHOW.

On Silvers—3 firsts, 2 seconds, 2 thirds, 3 fourths. On Buffs—1st pullet, 3d cock, 4th hen, 3d pen. On account of remodeling our buildings we must reduce our stock of Silvers, so will sacrifice 20 cocks at $2 to $5; 50 hens at $1.25 to $4; discount on trios and pens. These prices are 25 to 50 per cent less than our regular prices. A choice lot of cockerels and pullets at $1.50 to $5. Finding that we have more pens mated than we will need this spring we will sell pen No. 3, that we bred last year, of six hens and cock, for $20. A few Buff cockerels and pullets; also three cocks (including one very choice) and two hens at prices that are right. Agents for Spratt's Patent Poultry Food and Prepared Meat. If you are in need of any Silvers for breeders now is your chance. Write your wants. No eggs.

A. & E. TARBOX, Box A 5, Yorkville, Ill.

At Toledo Show, Butterfield, judge; 75 birds in class, my White Rocks won, 1st cock, 1st and 2d hen, 2d (tied 1st) and 4th cockerel, 2d and 5th pullet, 1st pen; 10 birds entered; 10 premiums won. Eggs $2 per 13. Stock for sale.
F. J. PHELPS, Bucyrus, Ohio.

EGGS FOR SALE
From two choice pens of **Barred Plymouth Rocks**
At $1.50 per 15. Satisfaction guaranreed.
E. F. PEIRCE, Catawba Island, Ohio.

Buff Leghorn Eggs from pens headed by cockerel 92⅔ and females from 91¾ to 92¾ ......

SOLID BUFF, no white or black in plumage.

All Customers Satisfied and $2 for 15 Good Hatch Guaranteed.

WILLIAM RUDI, = = = = = Bourbon, Indiana,

Buff Cochins.

Shown at Chicago in '98, and won. Our first prize pullet said by several Cochin men to be the finest ever seen. Did not show this year, but furnished winners for shows east and west, including Chicago. Birds finer than ever. Some for sale. A few eggs for sale at only $4.00 per 13.
G. L. M. Atkinson of Denver, Colorado, also has fine Buff Cochins.

REV. E. W. RANKIN, Manitowoc, Wis.

Rose-comb Br. Leghorns.

PRIZE WINNERS AT CHICAGO 1898-99.

There is no better money making breed than the R.-c. B, Leghorns. My magnificent strain is noted both for egg production and beauty of plumage. It will pay you to invest in a sitting of eggs from this noble breed. Have a few good cockerels left for sale from $1 to $2. Eggs per setting $1.50. Satisfaction guaranteed in all sales.

GEO. STAHMER, Lathrop ave. near C. N. W. Ry., **Oak Park, Ill.**

THREE YEARS AT CHICAGO

The Higley Light Brahmas

have proven their superior merit.

1897—Won 1st cock, 3d cockerel, 3d and 5th pullet.
1898—Eight awards on nine birds, 2d and 3d cocks, 1st cockerel, 3d, 4th and 5th hens, 2d and 5th pullets.
1899—Showed the four highest averaged females; 1st hen, 2d pullet, tied 3d 4th pen. Cockerel in pen scored 92½, cut 1½ for weight.

EGGS FROM EIGHT FINE MATINGS. Circular free.
Only a few cockerels for sale.

WILLOWHURST BRAHMA YARDS, (Station C), Cedar Rapids, Iowa.

RIGG'S LINE BRED SINCE 1874 HOUDANS

Matings for 1899: The noted Sire and unbeaten Show bird, ***ST. ELMO,*** weight 8½ pounds, score 95¼, is Premier at ***Le Bocage, Imp.,*** score 93½, our first prize cockerel at Chicago, 1899, and sons of ***ST. ELMO*** scoring 94, 94½ and 94¾, also do service. Each and every female in these several pens are ***Above Standard Weight,*** and grand in markings, style and finish.

EGGS FOR HATCHING.

These matings must, in the very nature of things, produce something extra choice—the ***Large, Dark, Typical Houdans*** so much desired. It has been the record of this strain for more than a quarter of a century. Prices, $3 per 13; $5 per 26; $7 per 40.

THOS. F. RIGG, Iowa Falls, Iowa.

there used fills the requirements of the hour."

This is a problem that must command the attention of the next Chicago show. We personally favor the score card system, because it gives to all a chance to advertise birds of a declared value. But we can see that large shows are more quickly judged by the comparison plan. This method is favored in the East and in Europe, where sales are effected at long prices on very high grade birds. In fact, if the purpose of a show is to encourage the fancy, comparison is the better system.

If a national circuit of large shows is to be realized, a uniform plan is essential—and that can now be only the comparison system. We are very strongly disposed to favor a circuit. That is, the adjustment of dates at Chicago, Kansas City, Cincinnati, Toronto, New York and Boston—for example—in such manner as to permit the exhibition of the best birds at these great centers. In these smaller towns, independent shows can be held, as now, under the card system; but we believe the time has come for a great series of exhibitions at the metropolitan centers.

This is simply adopting the higher educational idea and making the circuit the university, so to speak.

Prizes taken at such shows will make the winners famous, while the fact of entry at them (the rules being rigid) will serve to advertise the non-winners. Birds at these shows will necessarily be of a class to command respect.

Mr. McGrew touched upon another tender spot, the habit of criticising and condemning the American Poultry Association. He said:

"The question of greatest national importance is, adherence to the law making power. The greatest obstruc-

WHITE PLYMOUTH ROCKS THAT WIN.

A RECORD NEVER EQUALLED BY ANY BREEDER OF THIS VARIETY. WIN MORE PRIZES.

CHICAGO 1899 AND INDIANA 1899.

I won in the largest show of the year, 1st and 5th pullet, 4th and 5th hen (same scores as 2d and 3d), 5th cock, 2d pen (tie with 1st). All this and my best males at home with severe colds.

At Indiana State Show I made a **CLEAN SWEEP,** winning 1st, 2d, 3d 4th ckl., 95, 94½, 94½, 93½; 1st, 2d, 3d, 4th hen, 95½, 95½, 95, 94½, 1st pullet, 94½ (cut 1 on weight); 3d cock; 1st and 2d pens, 190¼, 188; also two special prizes. Last year at this show I won 2d cock 94½; 1st, 4th hen 95½, 95; 1st cockerel 95½; 3d pullet 95½; 1st pen 190¾.

IT IS THE UNIFORM WINNING ON BOTH MALES AND FEMALES THAT SHOWS THE QUALITY OF MY STOCK

EGGS—I shall retain "WHITE CHAMPION," 1st prize cock Madison Square, N. Y., '97. Also "GUARD'S MODEL," 1st prize ckl. Indiana State Show, '99. My females average higher than any breeder's of this variety. Eggs from this prize winning stock ONLY $3 per 15. One chick pays you. Send for circular.

R. M. GARD, Box A, Frankfort, Ind.

SILVER CREEK POULTRY RANCH,
LOCKPORT, ILLS.

Imperial Pekin Ducks of the finest strains. Selected breeders at $1 each. Eggs for hatching, 15 for $1; 100 for $4, 1000 for $36.

S. C. White Leghorn eggs, 100 for $6. Limestone Grit, 100 lbs., 50c.

1890 — 1899

Black Minorcas
13—**$1.50 EGGS $1.50**—13

Replaced at Half Price if less than 7 hatch.

Absolute Satisfaction Guaranteed.

H. H. WALLIS, - Delavan, Wis.

1890 — 1899

Energy and Pluck
are sure **WINNERS**, so are our **BUFF LEGHORNS** and **S. L. WYANDOTTES**. Drop a card and get circular giving description and winnings of pens. **BUFF** pen are **FURE BUFF** and Wyandottes are high scorers. Eggs, $1.50 per 15.

A. A. BISBEE, Hartley, Iowa.

Silver Laced Wyandottes.
A few good cockerels and pullets from prize winners yet for sale. I am mating for my first yard this season a 93 point cock, scored by Pierce, with females ranging in scores from 92 to 94½. Second yard a 91½ point ckl. with females each with a score of 90 or better. Eggs from first yard $2 per 13; second, $1.25 per sitting. Write. W. L. Mills, Clear Creek, Ill.

BUFF
Cochin Bantams.
That are winners. Bred in line from winners.

No Eggs. ***CLARENCE HENDERSON, Springfield, Ohio.***

H. H. Fike, Morgan Park, Ill.,
—BREEDER—

White Wyandottes, Black Langshans.

Strong, vigorous birds from leading strains mated for utility and eggs.

EGGS FOR HATCHING,

15, $1.50; 30, $2.25. Larger orders a matter of correspondence. No trouble to answer letters.

Light Brahmas, White Ply Rocks,
Black Minorcas.

My White Rocks won 1st on cockerel, 1st, 2d and 3d on pullets, at the Iowa Falls show. My Brahmas and Minorcas are good ones too. Eggs that will hatch, $1.50 per sitting.

T. P. EBERSOLE, Manson, Iowa.

HEY THERE!
Do you raise
FRUIT, CHICKENS & EGGS?
Do you
Spray and ***Whitewash?***

The "Ideal" *Sprayer* and *Whitewasher* will do the work. A machine well made and bound to please. Write for special price.

FRANKEBERGER & PAULE,
Box 300. Mansfield, Ohio.

tion to this seems to be the annual election. After each of these there is often the same cry heard so familiar to us all, that goes up from the lips of the disappointed ones at our local primaries. This comes to us by nature; as the child of degradation drinks infamy from its surroundings so do we in our freedom of thought learn to criticise. From our mother's knee to the grave, the pulpit, the stage, from the Chief Executive of our land to the cowboy of the plains, all become our free subject of discussion."

We are born with the habit of criticism in our blood. That is the right of Americans. But we should remember that, as Mr. McGrew said, what we need is 'a better and stronger association, a stronger and better Standard, and a more uniform method of using the Standard in making our awards.' Frequent changes, or biased alterations of the Standard tend to weaken the work of the shows.

Unity of purpose, clear definition of intent, and intelligent co-operation of the fanciers will build this branch of the industry. Patient and intelligent study will likewise solve the vexed problem of raising poultry for the market. There is a great future for this vast source of national wealth, provided we join hands in action that is fraternal and rooted in common sense.

Black Langshans, White Rocks
and Belgian Hares.

Eggs $3 per 15, prepaid and guaranteed 60 per cent fertile. Reduction on larger orders. Stock shipped on approval.

A. S. PARSON,
Garden City, Kas.

AFTER THE STORM IS OVER
We find we have 25 ckls. with combs more or less damaged by frost. We offer them at $2 each, All fine

NORTHUP STRAIN BLACK MINORCAS.

Worth several times the price for breeding purposes. Other stock at right prices. Eggs that will hatch, from best pens $2 per 13; $3.50 per 28; $5 per 45. Scottish Terrier puppies, registered in purchaser's name, $5 and up.

CORN BELT MINORCA YARDS,
A. A. Christie, Mgr., Smithland, Iowa.

$3.50 BUYS
One Golden Wyandotte cockerel, a first-class bird, scored 91½ by Shellabarger. The egg season has opened and I have eggs from high scoring Partridge Cochins and Golden Wyandottes for sale at $3 per sitting. Order early and get early chickens.

H. A. TOWNE, Sac City, Iowa.

REV. JOHN HUGHES, Table Grove, Ill.,
BREEDS FIRST-CLASS

White Plymouth Rocks,
—ALSO—
Barred Ply. Rocks and Buff Cochins.

Eggs after middle of April. Young stock in the fall.

Moses' Buff Plymouth Rocks.
When you pay your money for eggs to hatch you naturally are trying to improve your stock. My Buffs are bred from the best strains in U. S. Try them; you will not be disappointed. Eggs $2 per 15. Member Am. Buff P. Rock Club. Anconas—Branthoovers strain—$2 for 15 eggs. LaFleche—that are fine—$3 for 13 eggs.

C. W. MOSES, Dunkirk, Ohio.

BROWN LEGHORNS
Are sure to Win
WHEN FROM
BRATTAIN'S EXCLUSIVE YARDS.
Eggs from our Indianapolis and Oxford winners $2 per 15 or $3.50 for 30.

I claim the highest scoring pen of the season, 189¼ under Pierce. Not a bird in my breeding yards scoring under 94.

E. C. BRATTAIN,
Brown Leghorn Specialist,
Connersville, Ind.

Do You Want the Best?
Can spare a few sittings of eggs from two choice pens of

Barred Plymouth Rocks,

containing all our prize winners. Have shown pullets scoring to 93½ and cockerels to 93. Eggs $2.50 per 13; $5 per 30. A good hatch guaranteed.

MYER BROS., Malden, Ill.

POULTRY SUPPLIES,

	50 lbs.	100 lb.
Beef Meal	$1.00	$1.80
Concentrated Meal	1.00	1.80
Ground Beef Scraps,	1.00	1.80
Granulated Bone	1.00	1.80
Fine Ground Raw Bone Meal	1 00	1.80
Mica Crystal Grit		.75
Crushed Oyster Shells		.65

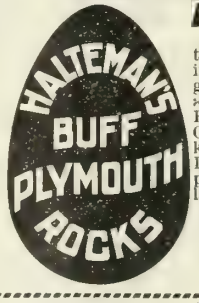
ALL WOOD SHIPPING COOPS.

No. 1—12x18x18, wt. 5-lb.		per doz.	$1.75
" 2—12x18x24, " 6 "		" "	1.00
" 3—12x24x24, " 7 "		" "	2.50
" 4—24x24x24, " 12 "		" "	3.50
EGG BASKETS—1, 2 and 3 setting		"	.40
EGG BOXES.			
All wood with handle, 15-egg		"	1.00
" " " 30 "		"	1.25
" " " 108 "		"	2.00
Spongia Roup Tablets—1 box 35c; 3 for			1.00

CYPHERS INCUBATORS.

C. A. DAMON, **2470 Monroe st., *Chicago.***

HAVE WON



their share of premiums in the show room. Rich golden, up-to-date stock and Buff all over. Wilson, Burdick & Joslin strains. Cheapest eggs in the market, considering quality. Eggs, $1.50 per 13, or $3 per 30. Write for circular, it tells the rest,

WM. H. HALTEMAN,
East Coventry, Pa.

MITTENDORFF'S BUFF PLYM. ROCKS

Orders Booked Now for *EGGS* from Winners at

Chicago, Buffalo, Hagerstown, Mid-Continental, Hamburg Crawfordsville, &c.

Circular FREE. ***L. W. MITTENDORFF, Lincoln, Illinois.***

And again win the Highest HONORS

at Lincoln, Ill., Dec. 10-13,
as Follows:

Clean Sweep-1st, 2d, 3d, 4th Hens, 1st Cock, 1st Breeding Pen, 1st & 3d Pullets.

FOR SALE--*FINE BREEDERS, $2 to $5 each.*

Eggs From Prize Winners.

White Holland Turkey eggs $2 per 11. White P. Rock, Golden S. Bantam and White Guinea eggs $1.25 per 13; $2 per 30.

A. Z. COPELAND, Potomac, Ill.

PLYMOUTH ROCKS—BUFF, BARRED and WHITE.

WYANDOTTES—Golden and White. Lt. Brahmas and Pekin Ducks, Pure bred stock. Eggs $1 per 13.

MRS. L. E. CLARK, Mansfield, Ill.

POULTRY PRINTING.

We will print, and deliver free, 250 Note Heads, 6 lb, ... } $1.50
250 Envelopes, No. 6¼ ..... }

Write for prices and samples.

F. VON HOEVENBURGH, Box A, Ruby, N. Y.

BARRED P. ROCK EGGS.

I have three yards of finely mated fowls, the lowest scoring 87¼, by Sharp Butterfield of London, Ont., as judge, at $1.50 a sitting of 15 eggs. Pekin Duck eggs at $1 for 12.

H. ADOLPH, Ironton, Iron Co., Mo.

GOLDEN WYANDOTTES, Exclusively.

"The beauty bred." All stock of high merit. Product of our 1898 matings finer than ever. At Illinois State Show 1898 won 1st cockerel, 2d cock, 1st and 3d hen, 3d pullet and 2d pen. At Springfield, Ill., Jan. 1899 won every first prize in the class, including 1st, 3d and 4th pullet. Some choice cockerels for sale; no more females to offer until September. Will furnish settings from three grand matings after March 1 at $2.50 pr. 15.

C. P. NELSON, (Prairie View Farm) **Danville, Ill.**

HOUDANS, Exclusively.

Eggs now in season, $2 per 15 or $5 per 45. Good results guaranteed. The egg trade a specialty—Five fine pens, 45 extra good breeders, special matings. I have the Chicago winners, the Michigan winners and the $25 cup. Have only a few cks. left at $2 to $5 each. President of Am Houdan Club. Send for new illustrated circular, covering 7 years continuous winnings.

FRANK W. McKENZIE, Concord, Mich.

EGGS FOR HATCHING.

White Wyandottes and Barred Ply. Rocks,

1 sitting $2; 2 sittings $3.75; 3 sittings $5.

White Crested Black and Buff Laced Polish,

1 sitting $3; 2 sittings $5.

White Indian Games.

On three entries in the biggest class ever held in Madison Square Garden, won 3d cock, 2d and 5th hen. Eggs—1 sitting $4; 2 sittings $7.

Poultry Supplies.

We carry the leading articles. *Crushed Oyster Shells*, 100 lbs. 75c; 1 ton $6.50. *Orr's Clear Grit* always a winner, 100 lbs. 75c; 1 ton $7. Send for booklet with prices, etc.

D. LINCOLN ORR, Box 3, Orr's Mills N. Y.

There Are Hens

that win money and honors in the show room; that lay "high priced" eggs—ever on the alert to turn up a dollar for their owner.

And Other Hens

Don't lay, don't pay, no good in any way. If you want the Money-makers I am with you. For other hens write to the other fellow. As you know,

I Breed Buffs,

in Plymouth Rocks, Cochins, Cochin Bantams and Leghorns. Stock for sale at all times. Eggs for hatching. Neatest and most artistically illustrated catalogue and egg record ever published. Printed in four colors. Tells it all; 10 cts. stamps. Better Write now while you think of it.

W. H. SCOVIL,

Box 82. East Lebanon, Maine.

First Prize Partridge Cochin Cock at Cedar Rapids, Iowa. Bred by O. E. Skinner, Columbus, Kansas.

White Plymouth Rock—Bred and Owned by J. J. Clement, South Haven, Mich.

BUFF

Wilson's Buff Ply Rocks are world renowned winners. They are line bred, and show strength of blood in progeny. Customers are like successful in this country and England. If ambitious to lead, let me aid you also, with birds or eggs. **EGGS** $5 for 13; $8 for 26; $10 for 39.

J. D. WILSON, Box 127 A, Worcester, N. Y.

Black Langshans,

EXCLUSIVELY.

Winners 1st and 2d cock, 1st and 3d hen and 3d pullet, South Bend Poultry and Pigeon Show, South Bend, Ind., January, '98, S. B. Lane, judge. 1st cockerel 95¼, 1st pullet 95¼, 2d pullet, 1st, 2d and 3d hens and 1st breeding pen, South Bend Poultry and Pigeon Show, Dec., 1898, J. A. Tucker judge. Eggs from these winners for sale,

W. J. McINTYRE,

Lock Box 708, South Bend, Ind.

DENNY'S

Buff Rocks.

WINNERS AT

CHICAGO January 1899

AND

NEW YORK February 1899

Look up their records at these places and think of their grand winnings in the past. Remember, I won **more regular awards at** the meeting of the club **than any other exhibitor.**

Eggs from pens containing winners at the above shows, $3 per 13 and there are

NONE BETTER.

Send for descriptive circular, its free.

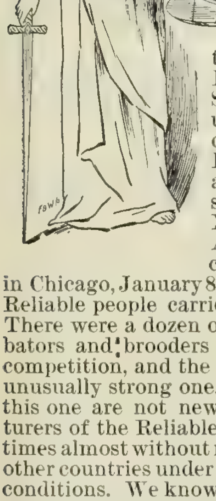
W. C. DENNY, Box J, Rochester, N. Y.

Sec'y & Treas. Buff Rock Club.

A PHENOMENAL RECORD WITH BLACK LANGSHANS.

The illustration shown above is of the magnificent silver cup won by Mr. A. Heimberger, of New Albany, Ind., at the exhibition of the Southern Indiana Poultry Association. Mr. Heimberger has this season won two silver cups in two weeks, the other one having been captured at Louisville. Both cups were awarded for the highest scoring pen of birds, with all varieties competing. His highest scoring pen at New Albany reached 191 points, his second pen 189¾, and his first pen at Louisville 189⅜. These pens were made up of different lots of birds and the record is certainly an enviable one. Mr. Heimberger's whole flock is of the same high average and prospective customers need not hesitate in entrusting him with their orders, as he is one of New Albany's reliable and influential citizens. At the meeting of the American Langshan Club at Chicago, Jan. 9th, he was elected Indiana Vice-President. The club is to be congratulated upon their selection, for Mr. Heimberger has recognized ability as an executive officer, and as President of the Southern Indiana Poultry Association has done much for the poultry interests of his State.

Weighed in the Balance.



Our friends and advertising patrons, the Reliable Incubator and Brooder Company, of Quincy, Ill, are rejoicing over a recent victory, and take this means of apprizing their many friends and patrons of the fact. At the recent Poultry, Pigeon and Pet Stock Show given under the auspices of the Illinois State Poultry, Pigeon and Pet Stock Association and the National Fanciers Association of Chicago at Tattersall's in Chicago, January 8 to 14 inclusive, the Reliable people carried off the banner. There were a dozen of the leading incubators and brooders of the country in competition, and the class was hence an unusually strong one. Such victories as this one are not new to the manufacturers of the Reliable, as they have won times almost without number in this and other countries under almost all kinds of conditions. We know that the hundreds of our readers who are users of the Reliable incubators and brooders will rejoice at this new victory of their favorite.

WANTED—Competent poultry man with about $500 for half interest in large and only broiler and hare plant at Denver, Colorado. Capacity 1500 eggs per month with unlimited chance for expansion. Buildings of brick, 250 ft. long by 18 wide, two story high, etc. Give full particulars at once to

E. J. WHITE, Brighton, Colo.

My Stock Again Proved its Superiority

at Toledo, Dec. 16-21, '98, by winning 1st, 2d, 3d on hens, 1st and 4th on cocks, 2d and 5th on cockerels, 1st on breeding pen and three specials, with scores from 91¼ to 94 points. S. Butterfield, judge. Eggs from choice matings $3 per 15. Stock sold on approval. Address

J. T. FRENCH,

838 Urbana st., TOLEDO, OHIO.

PROOF OF QUALITY.

ST. JOHNS, P. Q., Feb. 7, 1899.

MR. E. B. THOMPSON,

Dear Sir:—The Barred Rocks hatched from 2 setting eggs I received from you last spring won 1st and 2d prizes on breeding pens, 1st and 2d cockerels, 1st and 2d pullets, and 1st pair, at the St. Johns show, December last.

At Mantreal, Jan. 1899, on 3 entries only, won 1st on breeding pen, 1st pullet and 2d cockerel. Yours truly,

ROBT. H. ALPAUGH.

4 Winning Trio.

OUR
S. C. WHITE LEGHORNS
Have a record.
OUR
Barred and Buff Plymouth Rocks
Will be heard from.

EGGS,

$2 per 13, $5 per 45.

E. E. GREER, - Beatrice, Neb.

Two For $1

We will send

Farm-Poultry

and

American Poultry Journal,

both one year for $1. The regular price of American Poultry Journal is 50 cents and Farm-Poultry $1 and you save money by sending us your subscription.

American Poultry Journal, Chicago, Ill. U. S. A.

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THREE INSERTIONS
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On writing any of these advertisers mention A. P. J. It helps you and does n't hurt us.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

BREEDERS

A. L. RICE, Danville, Ill.—Rice's Brown Leghorns swept the platter at Danville, Ill., Show, Dec. 28-31, '98, Theo. Hewes, judge, winning, cock 1st 93¾; hens 1st, 2d, 3d, 4th, 94½, 93¾, 93½, 03; cockerels 1st, 2d, 3d, 94¾, 93¾. 93¾; pullets 1st, 4th, 94½, 93½; tie 2d and 3d 93¾. Eggs $2. for 15, guaranteed from best mating. 3-1

FRED L. KIMMEY, Morgan Park, Ill.—Buff Leghorns and Black Langshans for sale at reasonable prices. 2-3

GEO. F. MUELLER, 425 Tecumseh st., Toledo, Ohio—White Cochin Bantams exclusively. Won four firsts (four entries), Detroit; clean sweep, Toledo. Stock $5. trios upwards, eggs $3. Satisfaction guaranteed. Write wants. 2-3

WM. H. FATHAUER, Box 96, Boody, Ill.—Prairie Poultry Yards, breeds Barred Plymouth Rocks, Light Brahmas, Partridge Cochins and Embden geese eggs $2. per sitting; fine breeding. stock for sale. 2-3

MRS. C. A. WARD, Prop. Sunny Side Poultry Yards, Box 274, Liberty. Ind.—Partridge Cochin chickens a spacialty; M. B. Turkeys, Pekin ducks, also eggs, fine Canary birds. 2.3

BUFF LEGHORNS and Buff Rocks—Grand layers, size and color. Winners in hot company—will win again. Extra fine birds, with color to burn, for sale. Thos. H. Mills, Port Huron, Mich. 4-98-1y

F. G. FAIRBANK, De Ruyter, N. Y.—White Plymouth Rocks—large vigorous stock for sale. Eggs, $2 per sitting, and every bird in the pen scoring above 90. Good hatch guaranteed. 1-3

WALTER A. WAGNER, Chenango Bridge, N. Y.—White Plymouth Rocks. At Binghamton, '98, 1st pen, hen, cockerel, pullet, 2d cock, chicks. Eggs, $2 per 15. 1-3

SCHUNEMUNK POULTRY YARDS, Nelson Brusie, Salisbury Mills, N. Y.—Buff Plymouth Rocks, Rose-comb Buff Leghorns, prize winners at Newburg, N. Y., Middletown, N. Y., and Walden, N. Y. Write. 1-3

T. S. HEWKE, May's Landing, N. J.—White Wyandottes exclusively. Stock for sale. Prize winners. Beauties as well as best general purpose fowl. Large, vigorous birds. Eggs $2 per sitting. 1-3

S. J. MARTIN, Titusville. Pa.—Breeds Single-comb White and Buff Leghorns that are strictly first class Buffs, imported direct to my yards. Square dealing and stock as represented or money refunded. Eggs for hatching my specialty. New circular and price list for 1899 is now ready. Correspondence a pleasure. 1-3

MARGARET GREENWOOD, Loami, Ill.—Silver Laced Wyandottes for sale. Cockerels, $1 and $2 each; pullets, 75 cents. White Holland Turkeys. Toms, $2; hens, $1.50. Wyandotte eggs $1.50 per 15. 1-3

E. A. SCHILLER, Beaver Dam, Wis.—White Wyandottes exclusively—A. F. Hunter and Arthur Duston strains. A lot of fine young stock for sale. Can furnish score card after Dec. 13, '98, by Hewes. Eggs in season, $1 for 13. 12-6

JAY PAYS The express on eggs and stock. Barred Plymouth Rocks, "Thompson Strain." Eggs, $2,00 till June 1st, then $1.00. Good hatch guaranteed. Address: Jay Burdick, with U. S. Express Co , 87 Washington St., Chicago, Ill. Mention A. P. J. 3-3

W. H. ROSE. Lancaster, Wis., breeds Barred P. Rocks and Single Comb Brown Leghorns; eighteen years a breeder. Few pullets for sale. Eggs a specialty, prices right; discount on large quantities. 3-3

AT THE PAXTON SHOW Pierce gave 25 of my Pekins an average score of 96½ points; weight 7 to 9½ pounds. Eggs $1.5 0 per setting; White and Barred Rocks and Toulouse Geese eggs $1.00 per setting. W. C. Mottier, Gibson City, Ill. 3-3

QUINCY POULTRY ASS'N. Barred White and Buff Plymouth Rocks. White and Golden Wyandottes, Rose and Single Comb Brown Leghorns, Silver Spangled Hamburgs, Black Minorcas, Golden Sebright Bantams. All birds score from 93 to 94½ points. Eggs, $1.00 per setting; each additional sitting, 75c. Discount on100 lots. B. P. R, & W.P.R. Address J. L. Raymond, Quincy, Ill. 3-3

RABBITS—Flemish and Belgium Giants, heavy and light-weight Belgian Hares, Black and Tans, Peruvian Guinea Pigs and Collie pups. Please send stamp for information and prices. Capacity of Rabbitry 2,000 head. C. F. Kingman & Co., Importers and Breeders, Woodstock, Ill. 5-98-1yr

PEACH HILL POULTRY YARDS.—Buff Cochins, Buff Leghorns, Light Brahmas, Barred Rocks, Black Minorcas, White Rocks, Minorcas and Leghorns, $1.50 to $5 each. Eggs, $1.50 per sit'ing; Pekin Duck eggs, $1. F. W. Wright, Berlin Heights, O. 1-3

J. N. SHELTON, Petersburg, Ill.—S-c. White Leghorns, Buff Pekins and B. B. R. Game Bantams. Won at Illinois State Fair and Leading shows. Prices reasonable. Write for wants, 1-3

W. C. JACKSON. South Bend, Ind.—Buff Leghorns, Arnolds; Single and Rosecomb Brown Leghorns, White and Barred Rocks, Hawkins; White Wyandottes, Buff Cochins, at $1. Eggs $1. and $1.50 2-3

CARTHAGE POULTRY YARD, Irving Mayor, Carthage, Ill.—Breeder of Silver Laced Wyandottes, S-c. Brown Leghorns, Barred Plymouth Rocks and Poland-China hogs. Quality the best. Eggs $1.25 per 13. Young stock for sale. 2-3

I. F. SCHOTT, Box 144, New Pittsburg, Wayne Co., Ohio.—Poultry food and supplies of every description, so cheap that you will be surprized. Send for illustrated catalogue and be convinced. 2-3

T. J. TEANEY, Greenfield, Ill.—White Rock cockerels, $1, to $2.50, prize winners included. Eggs from birds scoring 92 to 94½ $1.50 for 15; White Holland Turkeys, Pekin Duck eggs, $1.50 and $1. for 11. 2-3

D. W. WILLIS, Crawfordsville, Ind.—Lt. Brahmas, Barred Rocks and Bronze Turkeys. Grand in size shape and color. Eggs for sale from six choice matings at reasonable prices. Satisfaction guaranteed. 2-3

O. WISLER, 584 Evergreen ave., Chicago. Ill.—Breeder of high class Silver and Golden Spangled Hamburgs. Eggs from three Grand yards at $2 per sitting. For reply enclose stamp. 2-5

ROYAL RED SEAL LOFTS, F. E. Morganthaler, Prop., Station C, Cleveland, Ohio, —breeders importer and flyer of the speediest strains of Homing Pigeons exclusively. Send for my annual catalogue. 1-6

JOHN H. PIPER, Mansfield, O., breeder of Exhibition Black Langshans. Stock for sale at all times. Eggs, $2 per 15. 50 cockerals at half price if taken at once. Satisfaction guaranteed, 1-3

J. L. JEFFERSON, Des Plaines. Ill.—White Rocks exclusively, farm raised. Stock for sale. Eggs, $1 25 per 13; $2 per 26; $3 per 42. Incubator eggs at all seasons. 1-3

GEO. J. GLEASON, Elburn, Ill.—Barred Plymouth Rock and Light Brahma cockerels and pullets. Unscored birds $1 up. Rock cockerels $2 to $5, with score card, 1-3

MRS. J. J. FRITCH, Melbern, Williams Co., O., will sell fine large L. Brahma and P. R. cockerels and pullets for breeding. 15 eggs $1. See if I don't deal honest. 1-3

WHITE PLYMOUTH ROCKS that are white, scoring 93 to 97, won first prizes. Eggs that will hatch 15 for $1.00. Stock for sale. Satisfaction guaranteed. J. B. Beard, Newton Falls, Ohio. 3-3

THIRTY-FOUR Prizes at the Fall River Show. Sixteen of my Houdans scored an average of 91½ points each and won all the prizes. Rhode I. Reds, Light Brahmas, Barred P. Rocks Eggs $2.00 per 13—$5.00 for 40. Pekin Ducks, eggs $1.00 for 11. A few good birds for sale. Send for circular, Daniel P. Shove, Box 666, Fall River, Mass.
President Rhode I. Red Club 3-4

CRESCENT POULTRY FARM. Catalogue free, with valuable information on artificial incubation by an expert; all about feeding and rearing ducks and chicks. Incubator Eggs a Specialty. Pekin Ducks, Barred Rocks, White Wyandottes, White and Brown Leghorns. Stock all sold, but lots of eggs for sale from high scoring matings. Frank Foy, Des Moines, Ia., Box 1001-b 1-3

F. A. DOOLITTLE, McIntire, Ia.—Light Brahmas and Partridge Cochins, Felch and Corliss strains. Good, healthy breeding stock, $1. Have choice lot to select from. Satisfaction guaranteed or money refunded. Mention A. P. J. 1-3

WELCOME POULTRY YARDS.—White Plymouth Rocks, Bronze Turkeys, Toulous Geese, Pekin Ducks Belgian Hares. America's best strains. Stock and eggs in season. Satisfaction guaranteed. John Alison, Welcome, Ohio. 1-3

GREEN VALLEY POULTRY FARM, New Albany, Ind.—Heck's strain White Plymouth Rocks. Eggs $1.50 per 15. Satisfaction guaranteed or money refunded. What more can you ask. Send us your order, 1-3

GEORGE NORTHUP, Raceville. N. Y., wishes to sell 1,000 Rose and Single-comb Minorcas. He breeds more prize winners than any 4 other breeders. 28-page catalogue (size Journal) free. 1-6

GATH'S CORNISH—Oxford Poultry Show, 1898, hens 1st 96, 2d 95½, 3d 95; pullets 1st 95½, 2d 94½, 3d 93; cockerel 1st 93½. Eggs $3. Harry D. Gath, Oxford, Ohio. 1-3

TELEGRAPH POULTRY YARDS, Desoto, Mo.—Eggs for hatching. B. P. Rocks, S-c Leghorns and Black Minorcas. We issue a little circular, it explains itself. Write for it. 2-3

A. K. SNODGRASS, Camden, Pa.—Has some fine Light Brahmas, White Plymouth Rock and White Wyandotte cockerels for sale cheap if taken quick. Also 8 Pekin Ducks. Write for prices. 2-3

WESLEY LENIUS. Greensburg, Ind.—Black Breasted Red Pyle, B. B. R. Game Bantams, Cornish Indians, bred from imported stock. Pit Games—winners in the pit. Eggs $3. 1-3

L. A. LYDICK, Partridge Cochins, Corless strain. Won last season and are doing same this season. A few old and young for sale. Box 576, South Bend, Ind. 1-3

H. E. KIPP, Red Hook-on-Hudson, N. Y.—Barred Plymouth Rocks exclusively, Thompson's strain. Eggs for hatching from six choice, well mated yards, $1.50 per 15; $5 per 100. 1-3

L. M. FREDERICK. Benjamin, Pa.—Buff Brahmas exclusively. Eggs for sale. Satisfaction guaranteed. Write for price list and description. 2-3

E. ABIAH JACOBY, Walberts, Pa.—White Indian Games and Black Langshans a specialty. Breeder of all the other leading varieties of fancy poultry. Satisfaction guaranteed. Prices right, correspondence a pleasure. 2-3

CHAS. P. STEPHENSON, Killbuck, O.—Rose-comb Black Minorcas exclusively, Northup strain. I have only 100 for sale. Satisfaction guaranteed or money refunded. Eggs in season. Write me before purchasing elsewhere. 2-3

MARK HURD. Marshall, Mich.—Bantams Black-tailed Japs, Plain and Bearded White Polish, Buff, White and Black Pekins, Golden and Silver Sebright, Red Pyle and Silver Duckwings. Also Silkies and Spanish. No catalogue 2-3

MARY HUMPHREY, Lovington, Ill.—Has for sale fine large crested W. C. B. Polish, S. C. White Leghorns, Black Langshan, price $1. each; also M. B. Turkeys, toms $3., hens $2. 2-3

THE GOLDENRODS, Pulaski, Iowa—Mammoth White Holland Tu keys and Embden Geese of high quality-breeding. Large vigorous birds. White poultry a specialty. Prize winners wherever shown. Write for prices. 2-3

C. E. MYERS, Danville, Ill.—Golden Wyandottes; winners at Danville Show, Dec. 27-30, '98, Thos Hewes, judge; cock 2d, 3d, 90, 90; hen 1st, 2d, 90¼, 90; cockerel 1st, 3d, 4th, 92, 91½, 90¾; pullets 1st, 2d, 3d (tie 4th), 93½, 93¼, 92¾, 92½; other pullets, 92¼, 92¼, 92¼, 90½; cocks and cockerels $2. up. Eggs $2. per 13. 2-3

JOHN M. LORENZ, 26 Foley st., Freeport, Ill.—Buff Wyandottes first premium birds at Northern Illinois fair; also Buff Plymouth Rocks and Peacomb Barred and Peacomb White Plymouth Rocks, no combs to freeze; just the fowl for cold climates; eggs from choice pens $2,00 per 15, $3.50 per 30. Book your orders now. 2-4

BUFF Plymouth Rock Eggs from prize winners. Yard scores from 90 to 93½ by Pierce. Eggs, $2; farm range eggs, $1.50 per 13. J. T. Bryant, Box 115. Oxford, O. 3-3

BERT KING Breeds choicest strain of Houdans and W. P. Rocks. Stock for sale and eggs 13 for $1.00, 26 for $1.50. Write me your wants, Rockford, Ohio.

PEIRCE BROS., Winchester, N. H., Exhibition Games, Pit Games, Cornish Indian Games, full-feathered Buff Cochins, Game and Ornamental Bantams. Winners at the leading shows of the east. Stamp for Catalogue. 3-3

DO YOU want Alliumnum Leg Bands, warranted to stay on and give satisfaction? If so send stamp for sample of the Eclipse, latest and best. C. P. Collins, West Lebanon, N. H. 3-3

WHITE HOLLAND TURKEYS and Toulouse Geese. Prize birds at common prices to make room. Breeding birds, pairs, etc. Other varieties. Send for list. Chas. McClave, Ashland St., New London, Ohio. 3-3

EXHIBITION Barred Plymouth Rocks. Do you want to raise prize winners? These grand pens of Montauk headed by sons of Montauk VII. are now booking orders from same at the low price of $1.50 per 15, equal to any $5.00 eggs ever sold. Write S. L. Hetrick, Punxsutawney, Pa. 3-2

EGGS $1.00 per setting of 13, warranted from the very best of stock, Light Brahmas, Barred and White Plymouth Rocks and Partridge Cochins. John Hamilton, Box 221, Cuba, Ill. 3-6

BARRED P. ROCKS, White Wyandottes (Hawkin Strain) White Guinea eggs $1.00 per 15, Bronze Turkey $2.00 per 9. Pekin Ducks $1.00 per 9. C. E. Brooks, Dayton, Wis. 3-3

VALLEY VIEW Poultry Yards, Dover Plains, N. Y. Eggs from choice matings. Barred Rocks, Ringet Strain, White and Buff Leghorns, $1.50 per setting, four for $5.00. Express paid. 3-3

EGGS CHEAP. S.-c. Brown and White Leghorns per 100, $3.50, 13, 50c; Barred Rocks, 100 $4.00, 13 75c; Bronze Turkeys, 20c each. J. L. Boyd, Dana, Ill. 3-3

REV. LOUIS RICHEY, Georgetown, Ohio. Black Minorcas, no better stock in America; eight awards on eight entries at Cincinnati show. Eggs, $2.00 per 15; incubator eggs reasonable. 3-3

WHEELER'S Buff P. Rocks. Winners at Rochester and Elmira, N. Y., Jan. 6 to 12, 1899. As good as the best. Prices low. Write for circulars. C. A. Wheeler, Cuba, N. Y. 3-3

TUTTLE'S White Wyandottes and Barred Rocks win in hot competition; they will win for you. Eggs $2.00 per 13, $3.50 per 26, $5.00 per 40. A. C. Tuttle, Galion, Ohio. 3-3

ROSE-COMB White Leghorns, exclusively. Stock all sold. Fresh eggs for hatching at $1.00 for 13 or $2.00 for 30. B. F. Stemen, Columbia City, Ind. 3-3

PARTRIDGE COCHINS exclusively, grand winter layers. Limited number of fine breeding stock for sale. Eggs in season, prices reasonable. Geo. R. Fisher, Box 1264 Helena, Mont. 3-3

SOMETHING FINE. Eggs from Buff Cochins (score 92-93½) $2.00 per 13. R. C. B. Leghorns (91-94) $1.50 per 13. A few Leghorn Pullets for sale. L. Gholson, Nashville, Ill. 3-3

PURE BUFF Wyandottes, line bred and bred to win. "A large, fine bird, good in color, shape and comb," says a noted judge of our first prize cock, the foundation head of our strain. Eggs, the kind you want, $2.50 per 15. Catalogue free. H. W. Boles, Deerfield, Utica, N. Y. 3-99-1yr

XXXX. Varieties Prize Winning Poultry, also Pigeons, Hares, Pets. Cockerels, $2.00; Hens, $1.50; Eggs $1.00 per 15; $3.00 per 60. Cat. free. John D. Souder, Jr., Telford, Pa. 3-3

DO YOU WANT Eggs from Russell and Hersey strains of Barred P. Rocks, only $1.50 for 15, best pens. Mammoth Bronze Turkey Eggs from McKenzie's hens and 48-lb Tom, $1.50 per 11. Orders booked now. Lura Carroll, Melrose, Ia. 3-3

OSHKOSH POULTRY YARDS. Barred Rocks (Oroco Strain) Single-comb White Leghorns, Black Minorcas, Silver Spangled Hamburgs, Light Brahmas, all pure bred. Eggs 13, $2.00; 26, $3.00. A. Fugleberg, Box 205, Oshkosh, Wis. 3-3

F. A. DOOLITTLE., McIntire, Iowa. My Brahmas won first and second prizes at Winona, Minn., (Russell Judge.) Eggs from birds with scores from 92 to 93½ $2.00 per 13. 3-4

BLACK SPANISH and Buff Rocks. A clean sweep on Spanish at New York, 1899. Buff Rocks—Burdick's "Nuggets," J. D. Wilson and Forsyth stock. Eggs $1.25 for 13. E. R. Gregory, Edmeston, N. Y. 3-3

FANCY PIGEONS. The finest flock in the west for sale this spring. Sixty high-class stock birds, Jacobins, Turbits, Fantails, Homers. Prices reasonable. R. W. Wales, Iowa City, Iowa. 3-1

WHITE WONDERS, well named, Light Brahmas, Barred Plymouth Rocks, Single and Rose-comb Brown and Rose-comb White Leghorns. Eggs $1.50 to $2.00 per 13. E. E. Paris, Washington, Ill. 3-3

BUFF LEGHORNS. Boston, Greenfield, Brattleboro first prize winners in our yards Arnold and Shepard Strains. Eggs $1.50 per 15. F. H. Fuller, Box M. B., Hinsdale, N. H. 3-3

AT BOSTON, '99, I won 10 premiums on White Wyandottes. My birds are large, white and true Wyandotte shape. Eggs $2.00 per 15. F. H. Fuller, Box M. B., Hinsdale, N. H. 3-3

STOP, LOOK, LISTEN! Stock and Eggs, the best Dark and Light Brahmas, Buff and White Cochins, Langshans, Andalusians, Wyandottes, Pekin and Muscovy Ducks. J. K. Clemmer, Box 22, Souderton, Pa. 3-3

BUFF WYANDOTTES a specialty. Won first on Cockerel, second on Pullet in hot competition, (Hathaway Judge) also Buff Leghorns and Rocks. Eggs $1.00 per 13. Wm. Haught, East Palestine, Ohio. 3-3

BUY STOCK and Eggs, Hodgson Strain, Black Javas, Blue Andalusians. Bred 10 years. Winner Worlds Fair, Mid-Continental, Illinois, Iadiana, Kentucky, Missouri State Shows; 15 prizes at late Great St. Louis, also winner at Chicago, Madison Square. Eggs $2.00 per 15, $3.50 per 30. Herbert Hodgson, Albion, Ill. 3-1

SILVER GRAY DORKINGS EXCLUSIVELY. Won eleven prizes at Boston and New York, including four firsts and specials. Eggs from three grand yards, $2.50 per 13, $4.00 per 26. Watson Westfall, Sayre, Pa., Box 71. 3-3

PERFECT DRINKING FOUNT for chicks. Anybody can make it in a few minutes without cost. Send 15c silver for drawing. S. F. Ehren, 1223 N. Galvez, New Orleans, La. 3-1

W. F. BLACK SPANISH. Buff Leghorn Eggs for sale from pens mated for best results. Satisfaction guaranteed. 2-cent stamp for circular. A. J. Barnhart, New Pittsburg, Ohio, Box B. 3-3

BARRED AND WHITE Plymouth Rock Eggs from up-to-date Rocks at $2.00 per 13; $4.00 per 30. "Rocks" a specialty for 16 years. Joe B. Hutton, New Castle, Pa. 3 3

WHITE MINORCA and Rose-comb Black Minorca Eggs from choicest matings, $3.00 per sitting, $5.00 for 30. A few cockerels and pullets for sale. Mrs. J. G. Osborne, Fabius, N. Y. Box O. 3-3

SITTING EGGS FREE from my prize winning Barred Rocks or White Leghorns, scoring 90 to 94½. First and every tenth order free. Eggs $1.50 per 15, $2.50 per 30. T. G. Hedges, Waterford, Ky. 3 3

BUFF LEGHORN Eggs from two fine pens including most of my winners at Lincoln, Ill., show, $1.00 per sitting of 13. One pair fine white Fantail Pigeons $2.00. M. W. Tilbury, Mt. Pulaski, Ill. 3-1

RANKIN AND POLLARD Pekin Ducks. S.-c B. Minorcas (Northcup) W. Wyandottes (Duston) W. P. Rocks (Hawkins.) Eggs $1.00 per 15; $5.00 per 100. C L. McFerren, Darlington, O. 3-3

C. W. SAYLOR, Greenfield, Ill, breeder of Buff Plymouth Rocks that are strictly first class. Eggs $2.00 per 15. Book your order now, Satisfaction guaranteed. 3-3

BLACK MINORCA (Single-comb) exclusively; large, vigorous, hardy birds of typical Minorca shape. My birds are fed for winter eggs. Eggs $1.00 per 13. Luny Reynolds, Westville, Indiana. 3-3

S.-C W. LEGHORNS, Black Minorcas, S. S. Hamburgs. First prize winners at Northeast and Erie Shows. 15 eggs $1.50. Fine strain Lewellyn Setters and Fox Terriers, Knablein Bros., Erie, Pa. 3-3

BARRED PLYMOUTH ROCKS. Sweepstake Winners at County Fair. 20 eggs $1.00. Ed. Einfeldt, Greenwood, Wis. 3-3

GOLDEN WYANDOTTES Exclusively. Eggs $2.00 per sitting. 92¾ to 95½ by Wale. Headed by cock with a score of 94 points by McClave. Write for circular of my winnings. Wm. Plumhoff, Nashville, Ill. 3-3

LONG'S Prize Winning Strain of nine varieties. Winners at Mount Gretna, Hagerstown, 1898; Washington, D. C., Jan., 1899. Hundreds of Premiums won. The Noted Strain. Eggs $1.50 for 15. Two-cent stamp for catalogue and show record. R. E. Long, New Midway, Fred Co., Md. 3-3

BLACK MAGPIE PIGEONS. Dr. Gibon Strain. Young, $1.50 and $2.00 per pair; olds, $4.00. Will exchange pigeons for bantams. F. Laberteax, Albion, Mich. 3-2

BUFF PLYMOUTH ROCKS, Up-to-date, bred them for five years. Stock and eggs for sale. Prices reasonable; satisfaction guaranteed. You take no chance. W. F. Simonson & Son, Bancroft, Mich. 3-3

CHOICE Buff and White Plymouth Rocks and Mammoth Pekin Ducks. Eggs $1.00 per sitting, $1.50 per two sittings. Satisfaction guaranteed. H. A. Shannon, Appleton, Wis. 3-3

BUFF COCHINS Exclusively. Eggs $2.00 per sitting, from stock scoring 93 95½ points. Stock for sale. Took 1st, 2nd, 3rd and Special at Belleville, Ill.. 1898. A. Hilderbrand, Nashville, Ill. 3-3

LIGHT BRAHMAS Exclusively, scoring from 90 to 92½. Eggs $1.50 for 13, $2.50 for 26. Good clear stock. Eggs packed with care. Dan H. Vernor, Nashville, Ill., Wash. Co. 3-3

DARK BRAHMAS. Buff Rocks, Barred Rocks. Score from 90 to 95 points. Sweepstake winners at the leading shows. Eggs $1.25 for 15, Elmer E. Robbins, Hamden Jct., Ohio. 3-3

"BLUE GRASS Silver Wyandottes," Exclusively. Winners at Lexington, Paris, Winchester, Covington, Ky.; Cincinnati, Ohio; Pittsburg, Pa. and wherever shown. Eggs for sale now. Circular free. Paul E. Shipp, Paris, Ky. "White Fantail Pigeons." 3-3

PHESANTS and Pigeons. Golden Phesants and Chinese Ring Neck Phesants Eggs for hatching and Phesants for sale at low prices; also Fantail Pigeons. E. A. Schemmel, Beaver Dam, Wis. 3-3

G. F. SOUTHWICK, Beloit, Wis. For Sale—Four Buff Cochin Bantam Cockerels; Peruvian and common Guinea Pigs. Eggs from Single-comb Black Minorcas; Golden Sebright Buff and White Cochin Bantams. 3-3

PRIZE WINNING White Plymouth Rocks and full-feathered Buff Cochins. Stock for sale. Eggs from birds scoring 94 to 96½, $2.00 for 13. Write for show record. J. A. Babcock, Goshen, Ind. 3-3

DO YOU WANT to hatch prize winners? Eggs from my O. K. Strain B. P. Rocks only $1 per 15. Stock all sold. F. A. Chandler, Preston, Wis. 3-3

BARDOLPH Poultry Yards. Buff and Black Cochins, Light Brahmas, scoring 90 to 95 by Pierce. Eggs $1.50 for 13, $2 for 26. J.E. Hendrickson, Bardolph, Ill. 3-3

HAWKEYE POULTRY YARDS. Dubuque, Iowa. Eggs from prize winning Light Brahmas at $1 per sitting. Scored by Russell, Pierce and McClave; score, 88 to 92 points. Also stock for sale cheap. 3-3

B. P. ROCKS and S. L. Wyandottes. Scored by Heimlich and Pierce at three shows, 1898. Won 19 premiums. Show record furnished. Satisfaction guaranteed. Eggs $2 per sitting. D. D. Gilman, Hoopeston, Ill. 3-3

HAWKINS BARRED ROCKS. Fifteen years a breeder of high scoring prize winning birds. I guarantee satisfaction. Eggs $1.50. S. F. Flint, Peoria, Ill. 3-3

BARRED PLYMOUTH ROCKS, S. L. Wyandottes, finest strain, scoring above 90. Eggs 15 for $1, 30 for $1.50; Pekin Ducks 15 for $1. Toulouse Geese eggs, $1. H. L. Moury, Belleville, Ohio. 3-3

WRITE ME for White Leghorns, P. Cochins. My birds get their score, 93-96, by Pierce. Eggs $2 per sitting. Stock for sale. Wm. Blanken, Buckley, Ill. 3-3

BUFF LEGHORNS. Three fine selected matings, clear golden to the skin. Won where ever shown. Eggs $2 per 13, $3 per 26. Stock for sale. Satisfaction guaranteed or money back. W. C. Boone, Leon, Ia., Box 124. 3-3

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

D. MULLEN, Indiana, Pa. Partridge Wyandottes, White Wyandottes and Golden Penciled Hamburgs. 3-3

J. E. WALTER, Wakeman, Ohio. You want winter layers! I have them bred for it, S.-c. B. Leghorns. Eggs 13, 75c; 26, $1.25. 3-3

H. CLOSE, Dunkirk, Ind., has 15 odd White Jocobin Hens and a few well mated pairs for best results, for sale cheap; also four Buff Cochin Bantam Cocks and three Hens. Write. 3-3

WYANDOTTES, Silver, Golden, White; Golden and Silver Sebrights, Winners at Indianapolis, Springfield and St. Louis Fairs, Kentucky and Indiana State Shows. Stock and Eggs for Sale. Circular free. Reeves & Jones, Clifford, Indiana. 3-3

OUR BLACK LANGSHANS, White Plymouth Rocks and Golden Sebright Bantams are winners with score to 95 by Heimlich. Eggs from them $1 per 12, $2 per 30. A few Bantams yet for sale. Theodore Werth, Strasburg, Ill. 3-3

BARRED ROCKS, Steinmesch L. Wynndottes, Hollann Turkeys. Turkeys' eggs $3 per 11. Chickens' eggs $2 per 15. W. H. Bollinger, Pendleton, Ind. 3-3

FRED W. KING, Breeder of Partridge Cochins. Winners at Peoria and Springfield in the strongest competition. Stock in season. Egge $2 for 13. 623 Third Avenue, Peoria, Ill. 3-3

HONEST STOCK. White Wyandottes, Light Brahmas and Pekin Ducks. Eggs only, surplus stock all sold. Satisfaction guaranteed. Also a few bushels of home-grown Soja Beans. William Dyke, Effingham Ill. 3-3

WHITE PLYMOUTH ROCKS Exclusively; farm raised, scoring from 93 to 96¼. Eleven ribbons on twelve birds at Youngstown. Eggs for sale. Write for prices. O. J. Fishel, Newton Falls, Ohio. 3-3

HOWARD BROWN, Coatesville, Pa., Box 329, Breeder of Buff Leghorns and Buff Plymouth Rocks. Evidence of quality are their winning at Hagerstown, Carlisle, Fredericks, Md., and Washington. Stock for sale. Eggs $2 per sitting or three sittings for $5. 3-3

LIGHT BRAHMAS Exclusively, H. H. Church, Vermontville, Mich., will have eggs for sale at reasonable prices. Choice stock sorted for breeders. Seven breeding pens for eggs. Correspondence solicited. 3-3

BARRED AND WHITE Plymouth Rock Eggs by sitting, or 100 from the best layers in the world, bred from the best strains and all heavy weights. If you want eggs that will hatch we will furnish them at $4 00 per 100, or $1.50 for 15. Send for circular. Cedar Lake Poultry Farm, Creston, Ind. 3-3

BUFF Plymouth Rocks, Buff Cochins, Buff Wyandottes, Buff Leghorns, White Plymouth Rocks, Mammoth Bronze Turkeys, Black Langshans, Eggs in season. Stock for sale. Dr. R. H. Maricle, Mill Shoals Poultry Farm, Mill Shoals, Ill. 3-3

ROSE-COMB White and Rose-comb Brown Leghorns, Silver Laced Wyandottes. 15 Eggs $1; 39, $2. Rouen and Pekin Duck Eggs 11, $1; 26, $2. J. W. Cook, Poneto, Ind. 3-3

BUFF LEGHORNS That are Winners. At Youngstown, Ohio, Dec. 20-24, 1898, I won 1st and 2nd Cockerel, 1st Hen and 1st Pullet. Eggs $2.00 per 13. A satisfactory hatch guaranteed. Belgian Hares and Fancy Pigeons. Satisfaction or money refunded. Wm. Friedmann, Canton, Ohio. 3-3

BLACK LANGSHANS Exclusively. They are beauties. Eggs for hathing $1.50 per 15; $2.75 per 30. Write to me before placing your order. Herbert Davis, Pawnee, Ill. 3-3

LIGHT BRAHMAS Exclusively. As we expect to remove soon to Central Mo., we shall only keep one pen of Light Brahmas, scoring 91-94½. Eggs $2 per 13, straight. W. H. Hormel, Rutledge, Mo. 3-3

WYANDOTTES, Golden, Buff and Partridge, (McKeen Strain.) Winners at Chicago, Washington, D. C., Mid-Continental; Kansas, Iowa and Nebraska State Shows. Stock and Eggs for sale. Send stamp for catalogue. W. A. Doolittle, Sabetha, Kan. 3-99-1yr

STANDARD Bred Barred P. Rocks from A. C. Hawkin's Stock; also pen of Eichelberger Strain, headed by c'kl from G. M. Leffel direct. All high-scoring birds, no culls used. $1 per 15 eggs. Pekin Ducks, Chas. McClave Strain, direct, 13, $1; also mammoth B. Turkey eggs $2 for 11. No stock for sale until fall. No circulars, write your wants. Satisfaction guaranteed. C. C. Rittenhouse, Austin, Ohio, 3-3

BUFF WYANDOTTES. Eggs of Pen 1, $3.50 per 15; Pen 2, $2 per 15, $3.50 per 30. Theo Kies, Nokomis, Ill. 3-3

C. A. WILLIAMS and Miss Mary, Carey, O., breeders of Golden Wyandottes and Golden Sebright Bantams. Watch Toledo, Sycamore and Carey Show reports. Eggs $2.50 per 13; per 30, $5. 3-3

L. LANTZENHEISER, Wooster, Ohio, has for sale Buff Cochin Cocks, Cockerels, Hens, Pullets; Black Minorca Cocks and Hens; and Brown Leghorn Cockerels from one to ten dollars each. 3-3

GOLDEN WYANDOTTES Exclusively. Prolific Laying Strain, with size and beauty combined. All my Breeders scoring from 90 to 94 points. Eggs $1.50 per 13. Geo. H. Burnett, Lansing, Mich. 3-3

WHITE WONDERS—Exclusively. Four choice heavyweight breeding pens. Up-to-date stock. If you want the best and most practical fowls, write. Eggs, $2 per sitting Wm. A. Pierce, Waterville, N. Y. 3-3

LIGHT BRAHMAS Exclusively. They are the hardiest and best laying strain in Wisconsin. Eggs, $1 per sitting. Strictly pure blood. Orders booked now. J. C. Livingston, Livingston, Wis. 3-3

WHITE WYANDOTTE Eggs, 15 for $1.25; 30 for $2. From large, vigorous, farm-raised birds; good color, yellow legs and beaks. Embden Goose Eggs, 18c each. Calvin Norman, Dexter, Mo. 3-3

ATTENTION—I am now booking orders for eggs from my yards of fine Blue Andalusians, Buff Leghorns and Buff Rocks. Bottom prices. Satisfaction guaranteed. G. W. Klee, Chambersberg, Pa. 3-3

HOT STUFF In Golden, Silver and Buff Wyandottes, S. S. Hamburgs, B. B. Red Games. Farm-raised, strong healthy, vigorous birds. Pleased others, will please you; write today. Address, J. F. Beum, Box 186, Westerville, Ohio. 3-3

RIVERHURST Poultry Yards, Charles Hollands, Proprietor, Westons Mills, Catt Co., N. Y., Breeder of Barred and Buff Rocks, Wells and Sheperd Strains. Also Single comb Buff Leghorns and Silver Spangled Hamburgs. Eggs $1.50 per 15. 3-3

WHITE WYANDOTTES, Pekin Ducks and White Holland Turkeys are the general purpose fowls. Buy some eggs and make money. Send for prices. Satisfaction guaranteed. R. F. Galleher, Mt. Gilead, O. 3-3

THE TERRACE Poultry Yards, White Wyandottes exclusively. Beauty and utility combined. Winners at the following shows in 1898: Mt. Gretna, Pa.; Hagerstown, Md.; West Chester, Pa. Eggs, $2 per 13. Allen C. Roberts, Spring City, Pa. 3-3

IRISH PRIZE Imported Black Langshans, from Langlands, Co. Cork, Ireland. Eggs, 15, $1.50. Sargent's Strain, White Wyandottes, 15 eggs, $1. Barred Plymouth Rocks, Edson's Strain, 15, $1. Arnold's Strain, Buff Leghorns, 15, $1. Address, D. Cronin, 1826 Jackson St., Louisville, Ky. 1-3

OVER STOCK. Will sell cheap to make room. Partridge Cochins, Barred Plymouth Rocks, Single and Rose-comb White and Brown Leghorns, Black Minorcas, S. S. Hamburgs, Brown Breasted Red and Indian Games, Pekin and Crested Ducks, etc Geo. E. Lloyd, 105 9th Ave., East Ashland, Wis. 3-3

WHITE PLYMOUTH ROCKS. I have a few choice cockerels left which I offer at $1.50 each. They are all choice birds. Satisfaction guaranteed. Order at once. Harry Furry, Pawnee, Ill. 2-3

BUFF LEGHORNS—From the best stock in America; bred for utility, perfect in symmetry, magnificent color and most excellent layers of large eggs. Eggs from my best pens $1.50 per sitting. M. H. Maxwell, Marinette, Wis. 1-3

WHITE FACE BLACK SPANISH. I have bred them 35 years; scores at shows from 93 to 97. Fowls $3 to $5 each; eggs $2 per 13. Circular free. J. Bennett, Sunman, Ind. 1-3

PIT GAMES—Brown Reds and Dominiques. If you want Pit Games you want fast strong birds that can win. I have the kind that you want, write me. Satisfaction assured. B. J. Dolph, Saginaw, Mich. 2-3

OUR BUFF LEGHORNS won six firsts and eleven other prizes at Bloomington and Grand Ridge Shows. Our Pekin Ducks won 1st and 3rd on other drakes and ducks. Stock and eggs for sale. Free circular. Bennett & Isham, Mazon, Ill. 3-3

WILD GEESE—I have four Wild Geese, (three females) two years old; very tame; suitable for park or breeders. Price. $10 for four. E. K. Stall. Mt. Pleasant, Ia. 3-3

THE HOME of the White Wonders, at B. Wenk's, Washington, Ill. I have bred them exclusively and sell eggs from any of my yards at $1.50 per sitting. 3-3

BUFF COCHINS, Barred Rocks. Breeding Stock score 90 to 93½ by Pierce. Eggs, $1.50 and $2 per 15. Best chance to get winners at small cost. Amos Scott. Macomb, Ill. 3-3

WHITE AND BARRED P. Rocks (no white eggs.) Barred, $1 per 13, guarantee hatch of seven. Good stock. Only a few sittings spare. J. G. Westwood, Streator, Ill. 3-3

BLUE ANDALUSIAN Fowls and Eggs from a vigorous farm-raised, winter-laying strain. Fertile eggs from fine pen of this handsomest variety $1 per sitting. E. T. Froelich, Froelich, Iowa. 3-3

BLUFFTON Road Poultry Farm. White Plymouth Rocks, White Wyandottes, Rose-comb Black Minorcas, Rose-comb Buff Leghorns and Pekin Ducks, $1 per sitting. Henry G. Harber, Sheldon, Ind. 3-3

BUFF AND BARRED P. Rocks. Strains Wilson, Hamm, Hawkins and Thompson. Buff and Barred to the skin. Our birds won at Bloomingburg, Ohio, December, 1898. Eggs, $1 per 15. Paullin Bros, Sedalia, Ohio. 3-3

BANTAMS For Sale—Ten B. B. R. Game Bantam hens and pullets; scored by McClave 93½ to 96; Black Cochins, 90 to 93½. Four Buff Wyandotte Pullets. N. W. Lemon, Mansfield, Ohio. 3-3

A GREAT REDUCTION of White Plymouth Rocks, pure Empire strain. Eggs two-thirds their former price, now $1 for 15. White Holland Turkey eggs, $1.50 for 11. Pekin Ducks, $1 for 15. T. J. Teaney, Greenfield, Ill. 2-3

PRACTICAL POULTRY KEEPER, 64-page, double column book, 10 cts. Squabs for Profit, Pigeon Diseases, double book, 25c. Money making Secrets, 64 pages. 10c. J. Summers, Chalfont, Pa. 3-1

BUFF LEGHORNS Exclusively. Prize winning strain. Pure buff color; bright yellow legs. Splendid layers of large white eggs. 13 eggs $1.50. Charles L. Thayer, 69th st. and Union Ave., Chicago. 3-3

UTILITY TRIO—Light Brahma, Felch-Williams-Rollins-Comey. Golden Wyandotte, McKean-Brackenburg. Black Minorca, Duff-Wood. Best eggs $2. Address, Mrs. Clara Bisbee, 75 Clarkson St., Dorchester, Mass. 3-3

KLONDIKE—The new breed of chickens, valuable and beautiful plumage. Never fly away. Attract notice everywhere. Good layers. Low introduction prices. Cut and description free. Address, William R. Black, Bolivar, Ohio. 2-3

GAMES—The first prize cockerel at Chicago (1898) heads my yard of Red Pyles and a 94½ cockerel my pen of Black Breasted Reds. Circular free. F. E. West, Darlington, Wis. 2-99-1y

BUFF AND BARRED Plymouth Rocks, Silver Sebright Bantams. Won four firsts and four seconds on Buff Rocks at fall shows. Stock and eggs for sale. Write for circular. C. D. Pautler, Evansville, Ill. 3-3

THREE SILVER Gape Worm Extractors. unequaled, 25c. Hundreds of testimonials and thousands sold. Big profits to agents. Samples and particulars 10c. Dr. Wm. Hallowell, Davisville, Bucks Co., Pa. 3-3

BARRED PLYMOUTH ROCKS, Exclusively. Choice matings of strong, vigorous birds. Eggs for hatching, $1.50 for 15; $2.50 for 30. Try me, I will please you. Perry Ludden, Portville, N. Y. 3-3

AYR PARK FARM, Sturgeon, Mo. Light Brahmas and Pekin Ducks. Cockerels of outstanding merit, with perfect plumage. Overstocked, must sell; $1 and $2. Weight up to the standard. 3-3

LOOK HERE. I won on S.-c. W. Leghorns at Springfield State Fair, 1st, 2d, 3d Pullets; 1st Breeding Pen; 2d Cockerel. At C. I. P. Show I tied 1st Breeding Pen, 1st Hen; got 2d Cockerel. Some fine birds cheap. Eggs, $1.50 per sitting, straight. Only showed twice. Thos. Pelford, Petersburg, Ill. 3-3

D. L. STAUFFER, Spring City, Pa. Eggs from Buff Wyandottes that won the red and blue at Washington, Madison Square, Hagerstown, Mt. Gretna, Poughkeepsie and Middletown. $3 per sitting. Cat. free. 3-3

W. A. BOOKMAN, Hooker, Ohio, breeds S.-c. B. Leghorns, W. P. Rocks and W. H. Turkeys of the finest quality. Eggs, $2 per 15. Turkey eggs, $3 per 11. Stock for sale. Satisfaction guaranteed. 3-99-1yr

L. BROMLEY, Forestville, N. Y. Won on S.-c. B. Leghorns. New York, Pennsylvania and Ohio. Exhibited 21 birds, nine firsts, five seconds and four thirds. Send for catalogue, tells all. 3-3

W. E. RUSSELL, 218 W. Main St., Danville, Ill. Eggs for sale, Cornish Game, per 13, $3; B. P. Rocks, Gold and Silver Wyandottes, per 13, $2. High scoring birds by Hewes. 3-3

SHERWOODS. For sale—50 fine, strong Sherwood Cockerels; also 150 Pullets of strong stock. Eggs for incubation a specialty. Write for prices. Smith & Friend, Blanchester, O. 3-3

FOR SALE

FOR SALE—Barred P. Rock Eggs from best strains and good strong birds. $4.00 per 100 eggs. Buff P. R. Eggs choice $2.00 per 13 eggs. Pekin Duck Eggs, Pollard strain, large, $1.00 for 11 eggs. Carefully handled. John Baynes, Salem, Ind. 3-tf

EGGS FOR INCUBATORS. Barred P. Rocks and S. C. Brown Leghorns $4.00 per 100. Eggs from high scoring pens, same varieties mated for best results. Satisfaction guaranteed. Highland Poultry Farm, Box 714, Des Moines, Ia. 3-3

FOR SALE—Look Here. Your chance to get eggs cheap from my high scoring Light Brahmas and Single-comb Brown Leghorns. Eggs $1. per 13 straight. Satisfaction guaranteed. H. E. Emmel, Box 43, Ogle, Pa. 2-3

FOR SALE—Golden Wyandotte and Single-comb Brown Leghorn eggs. $1 per 15. W. G. Young, Harvard, Ill. 3-1

FOR SALE—Cornish Indian, Rose-comb Black Minorca eggs, $3 per 15. Barred Plymouth Rock, Single-comb White and Black Minorca eggs, $1 per 15. Gross Bros., Greene, N. Y. 3-3

26 EGGS, $1, 100 $3.50. White Rocks exclusively. At Rochester, 1899, won 1st pen; 2d pullet, 3d hen, 4th cock. Hens, $6.50 per 6. Franklin Parrish, West Greece, N. Y. 3-3

FOR SALE—I have two nice Buff Leghorn cockerels and four pullets for sale; also a few yearling hens, to make room for my breeding pen. Arnold's strain. Wm. Rudi, Bourbon, Ind. 3-1

EGGS—Barred Rocks, (Miles strain) $2 per 15; (Russell strain) $1; Light Brahma, $1; Pekin Ducks. (Rankin strain) $1 per 11. Strawberry, Raspberry and Blackberry Plants. Hollinrake & Son, Keithsburg, Ill. 3-3

EGGS For Hatching from fine stock. Single-comb White Leghorns, Barred Plymouth Rocks, Silver Laced Wyandottes, Buff Cochins. $1 per 15; $4 per 100. For sale by R. F. Redick, Spencerville, O. 3-3

EGGS $2 per 13 from 13 varieties of chickens. Duck eggs $1.50 per 7, 3 varieties. Turkey and Goose eggs 20c each, 2 varieties each. Circulars. Birt Breighner, Clinton, Ill. 3-3

FOR SALE—Belgian Hares, Beaver Dam winners, and young stock; pair Pea Fowls; Bull Terrier, female. Write for prices. Mention A. P. J. Fred Bradley, Hampden, Wis. 3-1

FOR SALE—Stock and eggs from Chicago and Cedar Rapids Winners. Buff Wyandottes, S. G. Dorkings, Dark Brahmas and ten varieties of Bantams. Eggs, $2 per sitting; 3 sittings, $5. Express paid. Address, M. F. Yegge, Dewitt, Ia. 3-3

FOR SALE—Buff Bargains. 200 Buff Leghorns. Females $2 and $3; males, $2, $3 and $5. Eggs of Buff Rocks, Buff Leghorns and Mammoth Bronze Turkeys. Circular and price list free. S. J. B. Dunbar, Elkhorn, Wis. 3-3

FOR SALE—White Rock Eggs. $1 per 13. Stock scored by Chas. McClave, member A. W. P. R. Club. Ralph Wilson, Bloomville, Ohio. 3-1

FOR SALE—Buff Leghorn cockerels, sired by first prize cock Chicago, 1898. Price, $2, $3, $4 and $5 each—fine ones. Winners since 1890. Large circular free. Geo. S. Barnes, Battle Creek, Mich. 3-2

EGGS From Prize Winners. Partridge Cochins, Black Langshans, Light Brahmas, Imperial Pekin Ducks, $1 per 15. Mammoth White Holland Turkey eggs 15c each, Mrs. H. L. Adair, Clayton, Ill. 3-3

ONLY $1 per sitting of 13 for fancy White Plymouth Rock eggs. For quantity write me for prices. A. Langlee, Lanesboro, Minn. 3-3

EGGS From Barred and Buff Plymouth Rocks, grand in size, shape and plumage, have won first wherever shown. Eggs, $1.50 per 15; $2.50 per 30. Link Roberts, Opera, Perry Co., Ohio. 3-3

FOR SALE—Buff Leghorn eggs, from birds scoring 92½ to 93½ by Pierce. Large and good; buff to skin. $1.25 per 13. Address Miss Bertha B. Bryant, Oxford, Ohio. 3-3

FOR SALE—Langshan, S.-c. Brown Leghorn and Pekin Duck eggs, each 75c per sitting. Joseph T. Barton, 220 E. Randolph St., Chicago. 3-3

FOR SALE—Some fine Scottish Terrier Dog Pups. Golden Wyandottes, $2.50 to $5 per pair. Bantam incubator in good order. A. F. Hertzler, Burlington, Ia. 3-3

EGGS $1.50 per sitting, from Rose-comb Black Minorcas and Buff Rocks. For Sale—Pedigreed Black Cocker Spaniel female pups. Will Heintz, 819 Vine Street, Quincy, Ill. 3-3

ONLY FIFTY CENTS per sitting if you order two sittings at a time. Barred, White, Buff Rocks, Buff R.-c. White Leghorns, Black Minorcas, Houdans. Dake Poultry Yards, Nunda, N. Y. 3-3

BUY THE BEST $1 eggs ever sold anywhere. Circular telling all about them free. Barred Rocks, White Leghorns, Silver, Sebright and Buff Cochin Bantams. James Hallenbeck, Altamont, N. Y. 3-3

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EGGS of Hocking Farm, Madison Square Garden, N. Y., Po. Show prize winners. Black Cayuaga Ducks, White and Silver Laced Wyandottes, Barred and White Plymouth Rocks. Eggs, $1.50 per sitting. Clarence W. King, Romulus, N. Y. 3-3

STRANGE TO SAY that Mrs. L. Rummell, of Wyoming, Ia., sells eggs at just $1 per 13 from prize-winning S. Wyandottes; good shape and markings. S. Hamburgs, beautiful spangles, and B. Minorcas. All from leading strains. (12th year.) 3-3

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EGGS FOR SALE From White Plymouth Rocks for a short time at $1.50 per 13. B. P. Rocks, Golden, White and Silver Wyandottes, White Minorcas, S. S. Hamburgs, L. Brahmas, Buff Leghorns, $1 per 13, till May 15, later one-half price. Write your wants. L. C. Stamm & Co., McConnell, Ill. 3-3

FOR SALE—Light and Dark Brahma, Black Langshan, White, Buff and Partridge Cochin, Cornish Indian Game, Rouen Duck eggs, $1 per 15. $195 won in 97-98. J. A. Vaughn, Ewing, Ill. 3-1

FOR SALE—Barred Plymouth Rocks, Buff Plymouth Rocks, White Plymouth Rocks, Silver, Laced Wyandottes and Partridge Cochins. Eggs, $1.50 per 15. Warranted good hatch. Prize winning strains. J. T. Molloy, Laurel, Ia., Marshall Co. 3-3

BARGAINS in S.-c White Leghorns, W. Plymouth Rocks, B. B. R. Games and S. S. Hamburgs, $4 per trio. Eggs, $1 per 13. Rud. Kranz Niles, Cook Co., Ill. 3-3

FOR SALE—Forty Single-comb Brown Leghorn Hens and Pullets at $1 each; six Cockerels at $1 to $1.50 to close. Eggs in season from the finest of matings, $2 per 13. Wm. G. Warnock, Geneseo, Ill. 3-3

15 EGGS $1. Buff Leghorns, Buff Wyandottes and Buff Cochins. High scoring stock, bred from prize winners. Leghorn pen headed by a 92½ point cock. Frank I. Johnson, Harcourt, Iowa. 3-3

EGGS—Barred Rocks, E. B. Thompson strain, pure, $2. White Rocks, $1.50. Two White Holland Toms, $2. R. H. Rowland, Saybrook, Ill. 3-3

EGGS—$1 per 13, from birds bred for layers. Buff Rocks, Buff Leghorns, White Wyandottes, R.-c. Brown Leghorns, Buff Cochin Bantams. Grass range. W. J. Wiberley, Peekskill, N. Y. 3-3

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MILLET! MILLET! MILLET! For sale at $1.10 per bu., 2 bu., $2. Nothing better to keep poultry healthy. Try sample and be fully convinced. Old Honesty Poultry Yards, Rockford, Ohio. 3-3

EGGS For Hatching from prize winning Plymouth Rocks, (Thompson) Buff and Partridge Cochins, $1.50 per 15. Send for circular. Address, Will Allen, Greenfield, Ill. 3-6

FOR SALE—Having purchased the entire stock of F. R. Terrilliger's poultry farm, 45 varieties, and not having room to house, I will sell 15 varieties at a sacrifice. Enclose stamp when writing. Bargains in Bantams and Fancy Pigeons. G. Archie Turner, Horseheads, N. Y. 3-1

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FOR SALE—Cornish Indian Games, Barred Ply. Rocks and Buff Bantams. Eggs $2.50 per 13. My yards contain the leading strains. A few choice breeders left. J. L. Herbst, Sparta, Wis. 2-3

FOR SALE—Barred Plymouth Rock Eggs. Send $3. for 100 fresh, fertile eggs from large stock that score in the 90's. No sick birds in my yards. Clara V. Beardsley. Buckingham, Ill. 2-3

FOR SALE—Fine Buff Cochin and Black Minorca fowls. Eggs in season from following varieties: Buff Cochins, White Cochins, Light Brahmas, Silver Wyandottes, Barred Rocks, Houdan, Black Minorcas and Blue Andalusians. Mrs. James Mann, Fremont Co., Hamburg, Iowa. 2-3

FOR SALE—150 big boned well marked Light Brahmas, Partridge Cochins, and B. P. Rock cockerels. Prices low quality considered. Write for prices. W. T. & S. J. Sayler, New Market, Ind. 2-3

5 EGGS FREE from our S.-c. White Leghorns. We breed them exclusively. For particulars write to A. W. Gluesenkamp & Son, Batesville, Ind. 1-3

CLEARANCE SALE—Entire flock of White Rocks. Breeding stock scored from 92 to 95½. Birds shipped on approval. Barred Rocks exclusively hereafter. Write for prices. Harry Thomas, So. Charleston, Ohio. 1-3

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FOR SALE—80 Single-comb Brown and Black Leghorn pullets and Mammouth Pekin Ducks, including my last year's winners at $1 each. Satisfaction guaranteed. Fred A. Ullrich, Chillicothe, Ill. 1-3

FOR SALE—Looking for cockerels—Light Brahmas, Buff Cochins, Partridge Cochins, S.-c. Brown Leghorns, Indian Games, Bronze Turkeys or Pekin Ducks. Write your wants. John C. Lamb, Box 7, Voorhies, Ill. 1-3

FOR SALE—Some high scoring Brown Red Game Bantams with score cards by Sharp Butterfield, and others just as good. Address, James Glasgow, Cozad, Neb. 1-3

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LIGHT BRAHMAS, Exclusively. Choice, vigorous pure bred birds for sale cheap. Write for prices. Satisfaction guaranteed. Miss Eva B. Clark. Box 440, Mendota. Ill. 1-3

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ADDRESS Rio Glen Stock and Poultry Farm, Rio, Wis., for free circular. Barred and White Rocks, Silver and White Wyandottes, Light Brahmas, Black Langshans, Bronze Turkeys, Pekin Ducks. Stock and eggs. Satisfaction guaranteed. 1-3

FOR SALE—I pay Express. L. Brahmas and S-c. W. Leghorns. Eggs $2. per 13. $3.50 per 26. Breeding stock scoring no less than 91 up to 94½. Stock for sale. Pear Grove Poultry Yards, P. O. Box 753, Nashville, Ill. 2-3

FOR SALE—Peacomb, White and Barred Plymouth Rock a specialty; also Buff Rocks, White and Black Langshans. Stock for sale. Eggs, Book anytime. For particulars enclose stamp. Geo. Stelzer, Oshkosh, Wis. 2-3

FOR SALE—Mammoth Bronze Turkeys, largest strain. Barred and White Plymouth Rocks, Hawkins strain, choice stock, perfect health. Write for circulars and low prices. D. S. and F. Smith. Belleville, Wis. 2-3

FOR SALE—Buff and Golden Wyandotte, scored stock and eggs for sale, Forsyth and McKee strains. Buff eggs $2 per sitting. Golden $1. per sitting. Mrs. J. S. Rowell, Beaver Dam, Wis. 2-3

FOR SALE—Barred Plymouth Rocks exclusively. Eggs, special mating, $1.50 for 15., $2.50 for 30. Various yards, $1. for 15, $2. for 45. Satisfaction guaranteed. Circular free. W. H. Helwig, New Bedford, Ohio. 2-3

FOR SALE—Silver Wyandottes. Choice cockerels and pullets from prize winning strain for sale at $1.50 each. Eggs $1.50 per 15. L. A. Junod, Mulberry Grove, Ill. 2-3

FOR SALE—Eggs for hatching from good birds. Dark Brahmas, Light Brahmas, Buff Cochins, Golden Laced Wyandottes, White Wyandottes. Circular free J. M. Nyce, Elroy, Montgomery, Co., Pa. 2-3

FOR SALE—50 B. P. Rock cockerels; 100 B. P. Rock hens and pullets; 50 Pekin Ducks and Drakes; 20 S-c. W. Leghorn cockerels at $1 each. Clara V. Beardsley, Buckingham, Ill. 12-7

FOR SALE—English Pheasants—beautiful plumage; profitable; easy to raise; hardy; bear confinement better than chickens. First prize Chicago Show. Pheasants and eggs for sale. Dr. G. Fricke, Park Ridge Ill. 2-3

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FOR SALE—White P. Rocks exclusively. Eggs March 1, pen No. 1, of Hawkins and Frost hens, headed by my best Ideal cock, $2.75; pen No. 2, $2.; all purest white pullets and cockerels, trio $4.; trio with Ideal cockerel, $5.50. Eureka Poultry Park, City office 118 E. 43d st., Chicago, Ill. 10tf

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FOR SALE—60 day bargains, half price. Light Brahmas, Buff Cochins, Black Langshans, Indian Games, Blue Andalusians, $1 and $2 each. Write me. J. H. Price, Robinson, Ill. 1-3

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FOR SALE—Barred Plymouth Rocks, Rose and Single-comb Brown Leghorns, White Wyandottes and White Plymouth Rocks. Cockerels, pullets and pens to suit. Write for anything you want. Raymond Poultry Yards, Quincy, Ill. 1-3

FOR SALE—Buff Plymouth Rocks. Stock for sale. Incubator eggs $4 per 100. Circular free. James H. Corwith, Water Mill, N. Y. 2-3

FOR SALE—Buff and Barred Rocks, Black Langshans. Eggs, $1 per 15. Fine birds for sale cheap. Write for catalogue. Farm raised. Solomon A. Ulrey, Box 535, North Manchester, Ind. 1-3

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FOR SALE—Golden and Silver Wyandottes, Buff Leghorns, $1.50 and $2 each. Have exhibited Wyandottes 12 years; 30 prizes this winter. Bridge and Pierce judges. Morton Ingalls, Middletown, O. 1-3

FOR SALE—Barred Plymouth Rocks, choice breeding, cockerels and pullets at reasonable prices, bred from my Cedar Falls, Davenport and Marshalltown winners, under Felch and Russell. J. M. Holt, Marshalltown, Iowa. 1-3

FOR SALE—Prize winning White Minorcas and Rose-comb Black. Fine young stock at reasonable prices considering quality. Mrs. J. G. Osborne, Cedar Glen Poultry Farm, Box O, Fabius, N. Y. 1-3

FOR SALE—Partridge Cochins cheap. Fine bred Partridge Cochins, Buff and Barred Rocks. Eggs from extra fine pens of Buff and Barred Plymouth Rocks. P. Mitchell, New Carlisle, O. 1-3

FOR SALE or exchange for bicycles or typewriters, 300 White Wyandottes, Black Langshans, Pekin Ducks, fine stock; 4 brooders, practically new; very low prices. C. E. Harness, Corydon, Ky. 2-3

FOR SALE — Eggs for hatching from thoroughbred Barred Plymouth Rocks only; $3. for 100; $2. for 50; $1. for 15. Send me your orders I will treat you right. A. Richter, Homewood, Cook Co., Ill. 2-3

FOR SALE—A few White Wonder, Black Minorca and White Wyandotte cockerels at $1.50 per bird. F. E. Pearsall, Batavia, Ill. 2-3

FOR SALE—Rose-comb Brown Leghorns, best layers, good stock eggs, $1. per 13, $4. per 100. B. F. Reitz, Elysburg, Pa. 2-3

FOR SALE—Black Langshans. I can spare a few choice cockerels and pullets bred from birds all scoring 95 by Russell. Eggs in season. Write your wants. T. G. Anthony, Wenona, Ill. 1-3

FOR SALE—Buff Cochins exclusively. Cockerels, $2; pullets, $2; trio, $5. Eggs $1 per sitting. H. J. Mayer, Mt. Pulaski, Ill. 1-3

FOR SALE—Paragon Lanshans bred 15 years; winners of three silver cups and over a hundred other premiums. Many years experience in mating. Eggs $3. C. C. Harper, 1212 Monroe St., Peoria, Ill. 2-3

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FOR SALE—Barred Plymouth Rocks exclusively. None better. Chicks hatched from my stock took first prizes at Kankakee County Fair in '96 and '98, only times on exhibition. Eggs $1. for 13, securely packed and shipped to any part of the world. Stock for sale after Sep. 1st. J. Frank Tyler, Chebanse, Ill. 2-3

FOR SALE—Dark Brahmas, Silver Wyandottes, Pit Games, Pekin Ducks eggs $1.50 per 15, Poland-China Hogs, 4 males, 12 females. Satisfaction guaranteed. See other adds. H. W. House, South Bend, Ind. 2-3

FOR SALE or Exchange—Two Red Cap hens, 94, 94½; Buff Rocks, Buff Leghorns, Partridge Cochins, Pit Games. B. B. R. Game Bantams; Poland-China hogs; Pointer pup by Tick Boy. R. A. Sigler, Leon, Decatur Co., Ia. 1-3

FOR SALE—Rose-comb Brown Leghorns, Rose-comb Barred Plymouth Rocks and Mahoney Games. Cockerels, $2; eggs, $1 to $3 per 15. Write wants. Correspondence solicited. Harry Turner, Afton, Wis. 1-3

FOR SALE—$1. for 12 eggs from Buff Rocks and Buff Leghorns will surely please you. Stock for sale. N. A. Thelander, River Falls, Wis. 2-3

FOR SALE—Barred Plymouth Rocks, Chas. McClave strain, four pens scored and mated by D. T. Heimlich. Eggs $1.50 per 13. Mrs. C. H. Rankin, Fall Creek, Ill. 2-3

FOR SALE—Barred Plymouth Rock, E. B. Thompson strain. Pullets and cockerels for sale. Eggs $2. for 15, $3. for 30 E. W. Wheeler, Cedar Springs, Mich. 2-3

FOR SALE—When ready to place your order for eggs don't forget to send for our catalogue, it is free and prices very low for '99. Enterprise Poultry Farm, New Lexington, Ohio. 2-3

FOR SALE—White Rocks, Hawkins' and Empire strains, Barred Rocks, Thompson and Hawkins strains. Eggs $1 for 15; $1.75 for 30. M. H. Lyon & Sons, Spring Hill, Pa. 2-3

FOR SALE—White Wyandottes and S-c. White Leghorn cockerels. On account surplus will sell at $1 to $3, bred from best strains in the world. F. C. Wilcox, Joliet, Ill. 2-3

FOR SALE—Games $1 for 13 eggs. Free Circular. Irish Black Reds, Heathwoods, Irish and Mexican Grays, Tomadoes, Rouen Ducks, Cornish Indians $2. C. D. Smith, Fort Plain, N. York. 2-6

FOR SALE—Barred Plymouth Rocks Exclusively America's Best strains. Hawkins, Conger, Thompson, Lawton, Lash, etc. Exhibition birds a specialty. Satisfaction guaranteed. Eggs in season. Send for circular. J. D. Stevenson, Killbuck, Ohio. 2-3

FOR SALE—Buff, Barred and White Rock roosters $1. each. Eggs from Cochins, Brahmas, Langshans, Wyandottes Games, Redcaps, and Rocks $1. setting. Poland-Chinas $10. to $15. each. R. H. Vanderhoof, Newton Ill. 2-3

FOR SALE—Bargains, pens Black Javas, Buff Cochins, Buff Leghorns, Light and Dark Brahmas, Single and Rose-comb, White, Brown, and Dominique, Leghorns, Minorcas, Barred and White Rocks, Cayuga Ducks. Egg orders a specialty. J. Stevens, Webster City, Iowa. 2-3

FOR SALE—My Barred and Buff Rocks, Buff Leghorns and Silver Wyandottes. Will bring joy and prosperity to any family. Stock for sale. Eggs in season. O. P. Nesmith, Bluford, Ill. 2-3

FOR SALE—Buff P. Rock pen, cockr'l score 91¾; pullets 93½, 92½ and 91; hen 91; pen 183¾ by Pierce. Cockerels scoring 88½ to 88 for $2. and $3 each. Eggs $1.50 per 13. I. T. Bryant. Box 115, Oxford, Ohio. 2-3

FOR SALE—B. P. R. Games, eggs from my this season's winners at Chicago, St. Louis, Cleveland and Cedar Rapids. Can also supply you with birds. J. C. Pratt, Agt., La Grange, Ill. 2-3

FOR SALE—Winners from Black Langshans, pen scored 188½ by judge Lane. 32 cockerels. 45 pullets, 92½, 94, points, judges McClave and Heimlich. Eggs $1.50 per 17. H. W. House, South Bend, Ind. 2-3

FOR SALE—Look here if you want stock or eggs of Buff or Barred Plymouth Rocks or Cornish Indian Games. Stock guaranteed, write, I can please you. J. S. McKinley, Easton, Ill. 2-3

FOR SALE—15 eggs $1. Wyandottes, Black Langshans, White Leghorns, Barred and Buff Plymouth Rocks, Black Minorcas. Breeding from yearling stock, large and fine. J. E. Black, Fairfield, Ill. 2-3

FOR SALE—Barred Rock eggs for incubators, $4. per hundred, cheaper in large lots. Stock very fine, large vigorous birds. Highland Poultry Farm, Box 714, Des Moines, Iowa. 2-3

FOR SALE—Wyandottes,— Golden, Buff and White. My stock is away up in color, size and shape. For healthy well bred birds or eggs write to J. R. Douglas, Mound City, Kas. 2-3

FOR SALE—White Plymouth Rocks, 1 rooster and 4 hens $5.; hens $1. each. Eggs $1. per sitting from chickens scoring 90 to 93½ points. Charles Fifield, 137 Oneta St., Youngstown, Ohio. 2-3

FOR SALE—Barred Plymouth Rock Eggs for Hatching. Leffel and Hewes strains. Eggs $1.50 for 15; $2.50 for 30. S. S. Snyder, Cedarburg, Wis. 2-3

FOR SALE—Halteman's Golden Wyandotte at Toledo, Ohio, Dec. 16-21-98, won 1st cock, hen and cockerel; 2d hen, cockerel and pullet; 3d and 4th pullet; 1st breeding pen. Hundreds of prizes won. Cockerels for sale cheap. Golden and Partridge Wyandottes. Eggs $3. G.E. Haltemann, Box C. Tiffin Ohio, 2-3

FOR SALE—35 M. B. Turkeys, Toulouse geese, heavy weight, winners at Chicago show, 1 1st, 2 2d, 4 5th, $3.25 per 13 eggs; geese eggs $3.40 per 9. H. W. House, South Bend, Ind. 2-3

FOR SALE—Bargains! Closing out, 30 Black Minorcas, 24 Buff Leghorns, 10 Partridge Cochins, 30 Buff Wyandottes, $1. each, including show birds if all taken. White Wyandottes, Buff Plymouth Rocks a specialty. Send stamp for circular. Nuss & Son, Tina, Mo. 2-3

FOR SALE—Half Price Sale. Minorca cockerels; pair Brown Leghorns; pair Silver Wyandottes, and well trained Beagle hound. All fine stock. Write for prices. C. A. Mack & Bro., East Greenville, Pa. 2-3

FOR SALE—Bronze Turkeys from Mid Continental winners. Barred P. Rocks, Buff Cochins, and Toulouse geese. Write for prices. Mrs. G. F. Fleming, Box 52, Rosendale, Mo. 2-3

FOR SALE—Lake Shore Poultry Farm offers the finest lot of Partridge Cochins, Light Brahmas, and Single-comb White Leghorns ever offered. Eggs $1.50 per 13. Satisfaction guaranteed. Mrs. H. Marlow, Box 217 Beaver Dam, Wis. 2-3

FOR SALE—Eggs, White and Barred Rocks; Buff and Rose-comb, White Leghorns, $1. per 13; $2. per 30. Buff Leghorns and Pekin Drakes for sale. Mrs. Nannie Oates, Box 26, Vernon, Ill. 2-3

FOR SALE—80 per cent hatch guaranteed, from Barred or White Plymouth Rock eggs from my yards or sitting duplicated at half price. $1.50 per 15. Strictly standard bred. Fred H. Hand, Cambridge, Ill. 2-3

FOR SALE—Eggs from R-c. Brown Leghorns scoring from 94 to 95 by Pierce, winners in '97 and '98. $1.50 per 13. Good hatch guaranteed. John H. Ditsch, Box 250, Mishawaka, Ind. 2-3

FOR SALE—Cheap high class English carriers, in black, dunn and blue, winners at Peoria show; all good birds. 20 years a breeder. F Hudson, 209 Thrush Ave., Peoria, Ill. 2-3

FOR SALE—100 egg incubator and 100 chick brooder (Prairie State) used but one season and in perfect condition. Cost $35. Both now, $22. Howard Norton, Box 217 Lockport, Ill. 2-3

FOR SALE—325 egg Monarch incubator, good as new, $35.; 150 chick Old Hen Brooder, $2.50; pen Buff Cochins, $7. Thoroughbred Light Brahma hens, $1. and $1.50 while they last. Oscar L. Von Nieda, Lane Co., Ephrata, Pa. 2-3

FOR SALE—25 Light Brahma cockerels score 88½ to 92 by Hewes (judge), Felch and Autocrat strain. Price $2. to $5. with score card. Eggs $2 per 13. Henry Linne, Danville, Ill. 2-3

FOR SALE—White Minorca, Buff Leghorns, Black Minorcas, Partridge Cochins, strictly first-class. Write for prices, a few fine birds for sale cheap. Eggs in season. Mrs. C. M. Gordon, Georgetown, Ohio. 2-3

FOR SALE—Fine Partridge, Buff and Black Cochins. $2. to $5. each, $5 to $10 per trio. Eggs $2. per 13, $5. per 39. Dr. H. F. Ballard, Chenoa, Ill. 2-3

FOR SALE—B. P. Rock cockerels, Dalby Bros. strain. Light Brahmas, Shellabarger and I. K. Flech strain, direct. Eggs $1.50 per 15. F. M. Likens, Barnes, Iowa. 2-3

FOR SALE—Leghorns, R-c. Brown and S-c. White. Prize winners at $1 each. Eggs for sale at $1. per sitting, 15 eggs per sitting. Herman Siedel. Georgetown, Ohio. 2-3

FOR SALE—White Wonder eggs, $2. for 13. White Wonder, the all purpose fowl, good winter layers. Will book orders from now until season opens. Frederick Hill, Holland Grove Yard, Washington, Ill. 2-3

FOR SALE—White Wyandottes exclusively. A grand lot of cockerels at reasonable prices. Eggs for sale in season. Write for wants. A. H. Arnold, East Townsend, O. 1-3

FOR SALE—50 B. P. Rock cockerels and pullets. Pekin Ducks, Toulouse Geese, White Bantams, White Wyandotte cockerels. Address R. S. Drain, Pana, Ill. 1-3

FOR SALE—My Buff Rock Matings this year are grand, can fill all orders for eggs at $2. per sitting, $3.50 per 26. Some stock for sale. Joseph Kay, David City, Neb. 2-3

FOR SALE—Cheap, my fine improved 7-room frame cottage; has gas attachment for incubator use; big chicken-house, small brooding-house; 3 fenced yards; lot 25x177. For particulars write or call. John M. Lenske, 977 Ballou st., Chicago. 1-3

FOR SALE—For one dollar each 100 Buff and Barred Rock and Black Langshan cockerels and Barred Rock pullets for the next 30 days. Eggs in season. C. C. Eldridge, Honeoye, N. Y. 1-3

FOR SALE—High scoring Lt. Brahmas $1.50 to $3 each, the kind you are all looking for —large size, good dark color, finely marked. Also "Barred Rox." U. Grant Davidson, Manson, Ia. 1-3

FOR SALE—Mammoth Bronze Turkeys, finely marked, two for $5. Pekin Ducks, Lt. Brahmas and Barred P. Rocks, $1.50 to $2 each. Eggs in season. G. O. Anderson, Homer, Ind. 1-3

FOR SALE—Sherwood's Barred and White P. Rocks, Light and Dark Brahmas, Partridge Cochins and Black Minorcas. A fine lot of stock at reasonable prices. Eggs in season. Emmett Leonard, Liberty, Ind. 1-3

FOR SALE—Light Brahmas—no one stock. I make a specialty of this breed; 150 fine birds at reasonable prices for quality. and White Holland Turkeys. Satisfaction guaranteed. Eggs in season. M. L. Rude, Liberty, Ind, 1-3

FOR SALE—Silver Laced Wyandottes exclusively, McClave strain; typical shape and size; well laced, farm-raised, vigorous. Satisfaction guaranteed. Eggs from winning stock, $2 per 15. Mrs. D. E. Whitaker, Signal, O. 1-3

FOR SALE—If you are looking for geese and ducks of any Standard variety, write Dick Vannier, Neelyville, Ill., for his circular. 1-3

FOR SALE—Barred Plymouth Rock Eggs, from strictly high scoring matings. I have beside my own the Montauk Thompson and Conger strain. Write your wants. T. A. Somdal, Mansfield, Ill. 2-3

FOR SALE—Ferrets and Pheasants cheap. Ferret Keeper, by Wallace & Son, 10 cents; Pheasant Breeding, by Wallace, 20 cents. Ferret Muzzles, mail 20 cents. Catalogue free. Wallace & Son, Lucas, O. 1-3

FOR SALE—15 eggs $1. S. L. Wyandottes, B. P. Rocks, C. I. Games. S-c. Buff Leghorns, S. S. Hamburgs, Blue Andalusians. I am now booking orders for 1899. R. I. Jessop, Fairfield, Ill. 1-3

FOR SALE—13 eggs $1. per sitting of English Red Caps, Light Brahmas, Black Minorcas, White Minorcas, Silver Wyandottes and White Leghorns. Frank Tobias, Mt. Aetna P. O., Berks Co., Pa. 2-3

FOR SALE—White Holland turkey eggs from large stock $2. per dozen. Barred Plymouth Rock eggs $1.50 per sitting. A specialty of above birds for 15 years. Mrs. J. J. Myers, Woodlyn, Ohio. 2-3

PIGEONS as large as crows, that will measure 33 to 40 inches from tip to tip. Large English Runts. Also Homers of the best. Belgium and American strains. Geo. A. Riel, 122 Cortez st., Chicago, Ill. 4-99-1yr

SPECIAL OFFER.—One sitting of eggs free with a small order for poultry supplies. Eggs from 15 varieties of pure bred fowls. Send for fine catalogue. Oak Grove Poultry Yards, Platteville, Wis. 9-98-1yr

FOR SALE—S. S. Hamburgs, Houdans and Mongolian Pheasants. Eggs for hatching $2 for 13, $3.50 for 26; Pheasant eggs $4. for 15. Photo-pamphlet of prize winners mailed free. Horicon Poultry Yards, Horicon, Wis. 9-98-1y

FOR SALE—S-c. Brown Leghorn eggs at $1. per sitting. No birds in my yards that scored less than 92 points by Pierce and McClave. C. W. Rudolph, Hamilton, Ohio. 2-3

FOR SALE—A grand lot of W. Wyandottes and R-c. Brown Leghorns. Write me for circular and price list. Eggs in season. $1.50 per 15. Address Ed. Hippert, Kewanee, Ill. 1-3

FOR SALE—Eggs from choice pens of Buff and Barred Plymouth Rocks, $1.50 per 15. Fine April hatched Buff at $5 per trio. J. E. Hill, Ovid, Mich. 1-3

FOR SALE—60 eggs for $3., 15 for $1. Two medicated nest eggs with each order. Golden, White, Silver and Buff Wyandottes, Golden and Silver Spangled Hamburgs, all varieties of Rocks, Leghorns, Minorcas, Polish, Houdans, Light Brahmas, Buff Cochins and Spanish. Indian Games $1. for 13. Poor hatches duplicated at half price. Circulars free. Whitney Bros., Triangle, New York. 2-3

MISCELLANEOUS.

SEED SWEET POTATOES—Strawberry, raspberry and blackberry plants, approved varieties for cash, or limited exchange for pure Hamburgs, Leghorns, Andalusians, Toulouse Geese and Ferrets. Peebles, Ihle & Co., Cobden, Ill. 2-3

WANTED

WANTED.—To trade a new Incubator for a Bone Grinder, outside Brooder or Pekin Ducks. Frank Curyea, Strawn, Ill. 2-3

FOR EXCHANGE

TO EXCHANGE—I make good harness, will exchange for Black Minorca cockerel. W. Holland Tom, Pekin Ducks or White Wyandottes, Buff Rocks. Must be good stock. J. A. North, Lake Zurich, Ill. 2-3

FOR EXCHANGE—One Bull Dog or Bitch for Buff or White Cochins or pigeons. Pigeons and Buff Cochins for sale. Lumley's Pigeon Loft, 142 Searle st., Pittston, Pa. 2-3

EXCHANGE—Wooden Hen and Brooder for Plymouth Rocks. F. W. Young, Blue Island, Ill. 3-1

FOR EXCHANGE—100-size Des Moines Incubator—good as new, have used one season. Will sell for $13 cash or exchange for a '98 model wheel. Geo. Gilmore, Beaver Dam, Wis. 3-3

FOR EXCHANGE—One trio four-year-old Pea Fowls in splendid plumage, for choice poultry, pigeons or phesants. E. B. Eaton, Pontiac, Mich. 3-3

90 VARIETIES. Choice Poultry Eggs, Pigeons and the true GERMAN HARES, OUR NATURAL COLORED DESCRIPTION 60-PAGE BOOK 10c. Prices free. J. A. BERGEY, Telford, Pa. 3-3

CORNISH INDIANS EXCLUSIVELY.

A few prize winners for sale yet. Also eggs from prize winners at $2.50. Extra fine matings.

F. D. BENNETT, Galena, O.

PARTRIDGE COCHINS—EXCLUSIVELY— At Detroit Show, Jan. 3 to 8, '99, Sharp Butterfield judge, I won 1, 2, 3, 4 cocks, 93¾, 91½, 90½, 90¼; 1, 2, 4 hens, 93½, 92¾, 92¼; 1, 2, 3. 4 ckls., 94, 93, 93, 91½; 1, 2, 3, 4 pullets, 95, 94,¼ 94, 93¾; 1, 2 pens, 189 1-16, 187 1-16. Choice stock for sale.

JOHN C. STELLWAGEN, Wayne, Mich.

Houdans, Wh. Wyandottes,
PEKIN DUCKS.

Bred for utility and beauty. Exhibition and breeding stock for sale. **Price low for Quality.**

Eggs $1 per 13; Duck eggs $1 per 12, $6 per 100. No discount. ***MRS. G. A. NORRIS, Lebanon, Maine.***

1884 ◆◆◆◆ 1899

Skinner's Cochins

Thirteen Premiums on Buff and Partridge against the strongest competition in the world.

I also breed the choicest Light Brahmas, B. P. Rocks, Bronze Turkeys. The sharpest Grit, 50 cents per sack of 150 lbs.; 500 lbs for $1. Eggs $1 to $5. Send for Catalogue showing 20 breeds by Photo. ***O. E. SKINNER, Columbus, Kas.***

Poultry Yards of U. G. McAdam,

Wenona, Illinois,

Breeder and shipper of the following:

Light Brahmas, Buff Cochins, Barred Plymouth Rocks, S. L. Wyandottes, White and Golden Wyandottes, Black Minorcas, Silver Spangled Hamburgs, R-c. W., R-c. B. and S-c. B. Leghorns, Buff Turkeys. Eggs in season.

Buff & Barred Plymouth Rocks.

From the finest strains and line bred stock in America. Bred for eggs, size and standard beauty. My birds have won scores of red and blue ribbons at many of the largest shows. Birds for sale at reasonable prices. Eggs, $2 for 15; $3.50 for 30; $5 for 45.

P. MITCHELL, New Carlisle, Ohio.

BARRED P. ROCKS

Exclusively.

My stock is a combination of Bradley Bros. and E. B. Thompson strains, grand in size, color and shape. Also two pens headed by prize-winning cockerels of that magnificent Knoxdale strain. Every bird in my yard is a grand individual and of the best blood in the world. Eggs, $2.50 per 15. Stock sold on approval.

L. H. EDWARDS, Lafayette, Ind.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

THE J. W. MILLER CO. guarantee all EGGS TO BE

A Great Mistake.

You will surely make a great mistake if you place your order for eggs before you see our prices for 1899. All our eggs for hatching will be from stock scoring 90 to 95 points. We guarantee this and will satisfy any reasonable person on this point. Our prices are low, very low. Quality of stock considered we sell eggs at a lower price than any other breeder in America. Our catalogue is just what every person interested in poultry should have. It is one of the largest and best poultry books ever published. It tells all about our poultry, our way of doing business, and will tell you our prices of fowls and eggs. And what is best of all, we send it FREE.

Address, J. W. MILLER CO., box 444, Freeport, Ill.

ATKINSON

TALKS ABOUT ADVERTISERS.

The Monitor Incubator Co., Moodus, Conn., took the 1st premium at Paxton, Ill., show this season, hatching 90 per cent of all the eggs. Also at Rockford, Ill., with 85 per cent, and at Villisca, Ia., Hutchinson, Kas., and other shows.

A. H. Hill of Winona, Ill., light Brahma breeder, declares that Darling's Poultry Foods produce the best results. Darling & Co. are at Union Stock Yards, Dept. 26, Chicago.

The American Cereal Co., 1353 Monadnock Bldg., Chicago, are the largest producers of poultry foods in America. The great house offers no less than 16 varieties. Send for circulars and mention A. P. J.

S. B. Johnston, Boggstown, Ind., writes: "So many persons write me to give them the weight of a tom or hen and price of same. It is impossible for me to weigh every one of my 200 or 300 specimens. A pound or so does not make any difference, if the bird has size, bone and frame. It is a mistake to call for the largest. Bone and markings are what count."

Darling & Co., Union Stock Yards, Chicago, took orders for over 15 tons of poultry food at the Chicago show. This demonstrates alike the value of the goods and the commercial importance of the industry.

Brown & Mann, 428 N. 53d st., Austin, Ill.—Breeding stock is at top notch. Could not get ready to show this year, but next season we shall try to open someone's eyes.

The Von Culin Incubator Co., Delaware City, Del., have patented a special Duck machine, which is guaranteed to do fine work.

H. Tibbetts, Neponset, Ill., was in evidence with his Barred Plymouth Rocks at the Chicago show, '99, and in competition with the giants of the show room won 2d cock and 5th cockerel, 4th and 5th pullets and 2d breeding pen. He will sell eggs from yards headed by his Chicago winners. Mr. Tibbetts has been a patron of A. P. J. for many years and this month again renews his yearly contract.

Ed B. Murphy, of Carmel, Ind., was a grand winner on Buff Rocks at Indianapolis, January, 1899, as follows: 1st, 2d, 3d, 4th cockerels; 1st, 3d, 4th pullets; 1st, 2d, 4th hens and 1st for best exhibit on Buff Rocks. His Brown Leghorns have been winners for ten years. He also has Barred Rocks.

Last spring Lewis C. Beatty, of Washington, N. J., imported from Coaley Poultry Farm, Dursley, England, 36 Black Minorca and 36 Buff Orpington eggs. He reports raising 17 Buff Orpingtons and 19 Black Minorcas, the finest he ever saw.

W. C. Denny, Rochester, N. Y., secretary of the American Buff Plymouth Rock Club, has an important change in his ad this month. He writes us he will send his circular for the asking.

B. J. Lucas, 1002 Robinson street, Danville, Ill., formerly of Lucas & Reilly, is continuing business for himself. He writes A. P. J. that he has an extra good yard of Buff Wyandottes scored by Heimlich, Hewes, Pierce and Tucker, from 90 to 93 points.

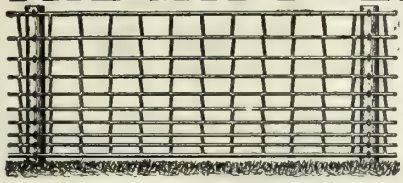
THE MOST LIVE CHICKS

from a given number of eggs is what every poultryman wants. He wants live healthy chicks too. Not sickly fellows that soon droop and die.

THE MASCOTTE INCUBATORS

will hatch every egg that can be hatched, and so controls the heat and ventilation that there is positively no loss of vitality. The chicks live, thrive and grow. Simple in construction, elegant in appearance, superior in work. No experience necessary. The veriest novice can succeed with it. Don't buy until you get our FREE catalogue and guarantee. The Mascotte Incubator & Lumber Co., Box 23, Bedford, O.

THE MIDDLEMAN'S MONEY



makes the fence no better. Then why pay him a lot of extra money? Why not save that amount by buying from us at wholesale prices? We do not impair the quality to make our fence cheap. In fact, we depend upon the quality to hold your trade. We could not sell the

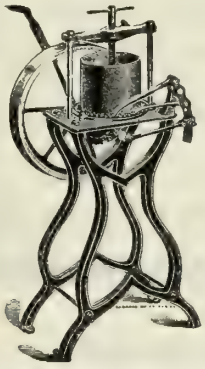
Advance Fence

as cheaply as we do if we had to sell it through the dealer. When you buy from us you only pay one profit, when you buy from the dealer you pay two profits. Send postal card for circulars and prices.

THE ADVANCE FENCE CO., 5803 OLD ST., PEORIA, ILL.

Green Bone Cutters.

THE Webster & Hannum Green Bone Cutter, formerly made at Cazenovia, N. Y., is now being manufactured and sold by the undersigned. This Bone Cutter has always been a favorite with poultrymen on account of its many advantages over all other machines. With our unsurpassed facilities for manufacturing, it will be better than ever.



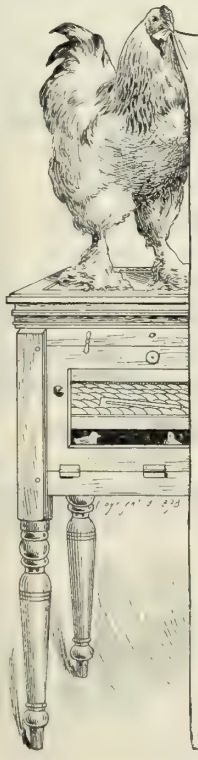
The new cutter-head is practically *indestructible, absolutely self-feeding and self-regulating* as to the supply of bone fed to the knives. It will cut meat and gristle equally as well as bone. Made in sizes suitable for hand or power use. Read what F. E. Dawley, Director, Bureau of Farmers' Institutes, New York State, says of it:

"I would urge every one who keeps fowls to feed green bone if they are after profit, and from experience would say, get a Webster & Hannum Cutter to do the work with. I am not at all interested in the sale of the W. & H. Cutter, and have paid full price for the one I use, so have no axe to grind."

F. E. DAWLEY.

Mr. Dawley raises poultry "by the acre." The only Bone Cutter receiving award at World's Fair, Chicago. *Send for our free booklet, whether you keep poultry for pleasure or profit.*

E. C. Stearns & Co., Box 55, Syracuse, N. Y.



The Roll of Honor

Note the Record:

Used exclusively by the U. S. Government.
Used exclusively by the largest poultry raisers in the world.
Used exclusively by the largest duck raisers in the world.
Used by over 25,000 customers with grand results.

300 First Premiums.

Never Having Suffered Defeat.

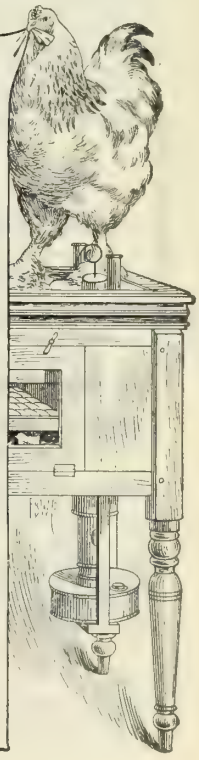
Once a User of Prairie State Machines,

ALWAYS A USER.

No difference whether you live in a city, town or country and raise chickens by the dozen or by the thousand, you want to use Prairie State Incubators and Brooders. Absolutely self-regulating and guaranteed to hatch in any climate. Do not fail to send for catalogue giving full particulars. All machines warranted.

PRAIRIE STATE INCUBATOR CO.,

Homer City, Pa.



Welch's S-c. B. Leghorn.

Prize Winners . . . Wherever Shown.

Celebrated Brace and Walling Strain.

Have bred them 7 years. None better. *Chicago Winner*, cockerel in 1898 to head my yards mated to pullets scoring not less than 93. As a cock he won 1st prize at Cent, Mich. show 1898, score 93½. Breeding stock for sale at reasonable prices. *Eggs $2 per sitting from pen No. 1; 2 for $3.50; 3 for $4. From other pens, $1.50 per sitting; 3 for $4. Satisfaction guaranteed.* J. C. WELCH, Lansing, Mich.

NONE BETTER DAMON STRAIN S-C. BROWN LEGHORNS.

PEN 1—Headed by 1st cock, Chicago and Danville, '98, score 94, and containing 1st hen, Chicago, and 3d (tied 2d) pullet, West Liberty, Iowa, '99, by Pierce and Hewes.
PEN 2—Headed by 2d cock, Chicago, '99, score 93½ by Pierce.
PEN 3—Headed by cockerel, score 92½ by Pierce.

EGGS Pen 1—$3.00 Pen 2— 2.00 Pen 3— 1.00 PER 13 $5.00 3.50 1.75 PER 26

A few good breeding cockerels dirt cheap—$2, $2.50, $3. Correspondence solicited.

C. M. DAVIDSON, 3430 West 64th street, Chicago Lawn, Ill.

WHITE ROCKS, "Enough said" EGGS $2 for 13.

Lt. Brahmas,

exceptional layers, very heavy toe feathering, and black hackles and flights.

Two June hatched cockerels FOR SALE.

Eggs $3 for 13.

White Minorcas,

The hardiest and the most tame of the Mediterranean fowls.

Won 2nd on cockerel at Boston 1899.

Eggs $2 for 13.

EMPIRE POULTRY YARDS, Mechanicsville, N. Y.

EGGS in abundance from 3 pens each breed and prize-winner matings.

BUFF P. ROCKS, 15 for $3; 30 for $5.

From prize pen.
And from pens Nos. 2 and 3, 15 for $2.

LANGSHANS, 15 for $2 . . . . All exhibition Stock.

Buff males score 92½, 92, 92. Females score 93½ to 91½.
Langshan males score 94, 94½ and females to 95.
Cup winner under Felch. A few cockerels for sale.

S. E. McINTOSH, Hardingsburg, Ind.

HEIMBERGER'S LANGSHANS.

= = 1899 = =

2 Silver Cups 2 In Two Weeks.

Awarded for the highest scoring Breeding pens at New Albany, Ind., and Louisville, Ky., all varieties competing. At New Albany, Ind., I. K. Felch, Judge, I received 1st, 2nd and 3rd on cockerels, with scores af 96, 95, 95. I had eight (8) pullets and hens scoring 95 points each. My first pen scored 191 and second 189⅝. At Louisville with a different lot of birds my best pen scored 189⅜ by Judge Bridge and won Silver Cup for highest scoring pen in the Show, all varieties competing. My records speak for my Langshans and these last victories are unequaled by any breeder in America. Choice cockerels for sale. *Black Langshans exclusively.*
Eggs $3 per 13. Address

ADAM HEIMBERGER, New Albany, Ind.

GROVER & GROVER,

Breeders of

White Plymouth Rocks, Black Javas and Buff Plymouth Rocks,

Proved a surprise party at the *Great Chicago Show*, where they won on White Rocks, 40 per cent of all 1st prizes and more regular and special prizes than any one breeder in the show, including 1 cock, 1, 2, 3 hen, 4 pen and R. P. J.'s $25 cup for the highest scoring 10 White Rocks in the show. On Black Javas they won 8 regular prizes on 8 entries. Birds $2.00 and upwards. Eggs $2.00 per 13. Send for Show Records.

GROVER & GROVER, Concord, Mich.

Eggs For Sale From The Princess Pen OF High Scoring Light Brahmas

Princes Euletta,	Score,	94½.
Princess Peoria, (1st prize hen Peoria show)	"	94
Princess Fredonia,	"	93
Princess Cubetta,	"	92½
Princess Victoria	"	92
Fitzhugh Lee (2d prize cock Peoria show)	"	92

When Mr. I. K. Felch scored the great pullet "Euletta" at Peoria, as he spread out the wing he said, "Boys, look at that wing!" The pullet scored 94½ and Mr. Felch said, "There is no better one in the show." She was too young and will make 1 point lost in weight. At his suggestion I bought the second prize Light Brahma cock, "Fitzhugh Lee," to mate with my pullets, and have added to the pen the first prize hen (score 94) of the Peoria show. Will sell a few eggs from this pen at $3 for 13.

Address E. L. WILLIAMS, Peoria, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

COMMENTS ON TRADE.

A. & E. Tarbox, of Yorkville, Ill., should have been credited with winning second and third pens Silver Wyandottes at the recent Chicago Show; the report received from Secretary Noble credited them with only second pen.

S. B. Johnston & Co., of Boggstown, Ind., Mammoth Bronze turkey breeders, have a few young toms to sell at a bargain. They have decided to issue a new catalogue instead of a circular, one of the best out, written in the interest of turkeys, worth one dollar, but free for stamp. It tells how to manage from shell to maturity; remedies for diseases; how to mate for best results, etc.

Geo. Stahmer, of Oak Park, who breeds R.-c. Br. Leghorns, was one of the great Chicago show winners. Look up his ad and write your wants. He will guarantee you satisfaction. His strain is noted for egg production and beauty of plumage. Mention A. P. J. when writing.

Mrs. S. M. Robinson, of Washburn, Ill., one of A. P. J.'s advertisers, was a winner at Chicago and Peoria 1899, on Light Brahmas, and they have demonstrated their ability to win wherever shown in strongest competition.

Mrs. J. H. Orebaugh, of Batavia, Ohio (box 7), is a new A. P. J. advertiser. Her guarantee is convincing: "We guarantee ten for a hatch, or duplicate at half. Will replace all broken eggs, purchaser to pay the freight." She has Light Brahmas, Black Langshans, S. Wyandottes, and Buff, Barred, and White Plymouth Rocks.

U. Grant Davidson, of Mason, Ia., sent three Light Brahma cockerels to the Mason City exhibition to be scored and sold. The best one tied for 1st and got 2nd, score 92¾. The other two tied each other for 3rd, scores 92. Mr. Davidson has birds, with some score cards by Shellabarger and Shaner, that will be sold right. He also informs us that he has some great bargains in unscored cockerels and pullets. Omit stamp, but mention A. P. J. when writing him.

Browne & Mann direct attention to their advertisement in this issue. Their breeding stock this year is extra fine and purchasers are assured of square treatment. They breed Duston and Knapp Wyandottes and steel-tested Pit Games of well known strains, and are prepared to make a special feature of the egg trade. They guarantee a fair hatch and will prepay express charges on all egg orders received during March and April.

Whitman Bros., Redwood Falls, Minn., have something to say to our readers about their Langshans this month.

Anyone wishing to secure a pen of high-grade Light Brahmas should note the advertisement of Whitman Bros., Redwood Falls, Minn. They offer a pen for sale.

The fanciers of Atlanta, Ga., are preparing for a big national show in 1900. H. A. Kuhns is secretary of the local society.

SUCCESS FOR INCUBATOR.

Successful incubation is, in the minds of many of our leading poultry raisers, associated with the "Successful" incubator. This thought seems to have had a controlling influence with the judges at the recent exposition in Omaha, and also with those at the 1898 poultry show held in Chicago. In both places it carried off high honors. A neat little badge, "Pin Your Faith to the Successful Incubator," is first-class doctrine for the money-making poultrymen. This machine is generally so well known that it needs no introduction. It is only necessary to say that it does just as good work as usual, is as well made as usual and sells at as reasonable a price as usual. The 160-page catalogue issued by the Des Moines Incubator Company of Des Moines, Iowa, manufacturers of the Successful incubator. is a most thoroughly useful book for the poultryman. Mailed to any address for 6 cents in stamps.

Geo. W. Kinzer, of New Holland, Pa., made a splendid record on Cornish Indian Games and Buff Leghorns during the recent show season at Washington, D. C. He won 1st and 4th cockerel; 2nd hen; 5th pullet, on Cornish Indian Games; 1st pen, and special for best 5 Buff Leghorns in the show. At Elmira, 1st cock; 1st, 2nd, 3rd, 4th, hen; 1st, 3rd, pullet; 2nd, 3rd, cockerel; 1st pen, Games. 2nd cock; 4th cockerel; 2nd (3 ties); 3rd (2 ties); 4th pullet; 2nd and 3rd pen Buff Leghorns. At Boston two entries; 1st cock and 3rd hen, Games. At New York, 1st cockerel, 19 competing; 2nd pen Games; 4th pen Leghorns. Mr. Kinzer handles only the two breeds and he has excellent facilities, as he has 18 yards or breeding pens.

Ferris & Zink, of New Albany, Ind., breeders of prize winning Barred Plymouth Rocks and R.-c. Brown Leghorns, announce to our readers, in this issue, that they have a few choice cockerels left and that they will sell eggs from prize winners at $1.50 per 15. This firm is well established upon a large farm near New Albany and is in position to furnish customers with the very best farm-bred, vigorous stock. They guarantee to give satisfaction and refer prospective customers to Dun's Commercial Agency and the Express companies in New Albany as to their reliability.

Edwin W. Fly, manager of the Clear View Farm, Chalfont, Pa., has just issued an excellent book on poultry and pigeon raising, price 25 cents, which he will be glad to send upon receipt of price. It is a 24-page book filled with practical poultry information.

Fred F. Willis, South Bend, Ind., won at South Bend show, on Buff Cochin Bantams: All except 2d cock and pullet—eleven and specials—in class of 41. At Detroit, 1st on all and all specials, and minor prizes in hot class. Also at Logansport, 1st right through and a lot of others. He guarantees in every way and sells eggs at $2.

Wyandottes. *Our Golden and White Wyandottes, Golden and Silver Seabrights—All Line Bred.*

Winners of most of the large shows of the world for over 13 years. They have won at *Madison Square Garden, New York* 81 regular prizes and many specials and medals. Our great Chicago record has never been approached by a breeder of above varieties: on 39 birds, 37 regular premiums, 19 firsts out of 21 competed for and we don't buy our winners, (breed them.) If you are after lacing of the correct kind, that is, thouroughly stamped in blood, try us. We have several hundred fine Golden Wyandottes yet to spare and some fine Sebrights and Buff Lace Wyandottes at reasonable prices. Eggs $3 for 13, $5 for 26. Fancy circular for 2 cents tells all about our winners.

Box 75. **IRA C. KEELER, Prospect, Ohio.**

Chicago Winners. Tibbet's Barred Rocks proved a surprise party at the great joint show, Chicago, Jan. 9 14, '99, where in competition with the "best in the country" my Rocks won 2nd on cock, 91¾, 5th cockerel, 93 (Hewes); 4th and 5th pullets, 92½, 92½ (Russell) and 2d breeding pen, 185¼. The giants were there, but I got my share!

EGGS FOR HATCHING, yards headed by CHICAGO WINNERS. Before placing your orders for eggs get my 1899 Catalogue, ready March 1st. Free. Mention A. P. J.

H. TIBBETTS, Neponset, Ill.

Lincoln Park Poultry Yards,

GORDON L. REILLY, Proprietor.

WHITE PLYMOUTH ROCKS.

I have choice breeding stock, young and old, for sale with score cards. Egg Orders booked now. Write for prices and description. Address

GORDON L. REILLY, 28 Jackson st., Danville, Ill.

DO YOU KNOW that eggs from Farm Bred Stock always produce good hatches and vigorous chicks ?

We have them.

Barred Plymouth Rocks, (Thompson-Leffel strains), "The best general purpose fowl."

Rose-Comb Brown Leghorns, "The greatest egg producers known. Frost proof combs." (Benedict strain.)

The Fact that we sell at **"Live and Let Live Prices,"** does not indicate that our stock is second class. **We won first premiums** at New Albany Show this year, I. K. Felch, Judge; and our birds have won in every show entered heretofore. References: Mercantile agencies, Dun & Co., U. S., American or Adams Express here, **Or Any of Our Numerous Customers. Eggs** from prize winners, (score by Felch) $1.50 per 15. Orders booked now. A few choice cockerels for sale, $2 and $3 each.

OAK LEAF STOCK FARM, 50 Acres. **FERRIS & ZINK, Props., New Albany, Indiana.**

My Buff Rocks Did Win

At Indianapolis, Ind., Jan. 23 to 28, 1899.

1, 2, 3, 4, cockerels; 1, 3, 4, pullets; 1, 2, 4, hens, (did not show cock bird.) 1st for best exhibit on Buff Rocks. Eggs from best matings, same as I use for myself, only $2.00 per 15, $5.00 per 39. My Brown Leghorns have been continuous winners for 10 years. They are extra fine shape, size, and color. Eggs from my best selected matings, same as I use for myself, only $2.00 per 15, $3.50 for 30. My Barred Rocks are of superior size, shape, and color. Eggs from my best matings, $1.50 per 15, $2.50 per 30. Stock for sale. Write

ED. B. MURPHY, Box B., Carmel, Ind.

CYCLONE STRAIN BLACK LANGSHANS

Undoubtedly the best birds of their kind in the United States. We originated this prize winning strain fifteen years ago, and have bred in line, assisted by rigid selection, ever since. That accounts for the high standard of excellence of our fowls.

Eggs For Sale from Pens Scoring 94 1-2 to 96 Points.

We have also a fine line of prize winning Brown Leghorns, Light Brahmas, Barred Plymouth Rocks and Pekin Ducks. ***Fowls and Eggs for sale. Satisfaction guaranteed.*** Send for free circulars and price list.

H. C. ECKERT & SONS, Box A., Belleville, Ill.

HERE IS QUALITY FOR YOU.

At the great CHICAGO SHOW Jan. '99 I won more prizes in proportion to the number of birds entered than any other White Rock exhibitor. My two pullets that tied for first and won second and third were the two highest scoring birds in the White Plymouth Rock Class of 101 birds, the cream of the Country.

HECK'S CUSTOMERS

will get eggs this season from a pen headed by a 95½ point male bird and mated to females scoring from 94 to 96½ points by Felch at New Albany, Ind., and Russell at Chicago.

Drop me a few lines about that egg order. I would like to argue the matter with you. It is to your advantage as well as mine. ***FRANK HECK, Box 12, New Albany, Ind.***

Sec'y-Treas. Am. W. P. Rock Club.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Reliable Breeders' Directory

OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.
C. H. C. Anderson, Carlinville, Ill.
John H. Ryan, L. B. 195 Monticello, Ill.
L. H. Fuller, 133 Holly Court, Oak Park, Ill. Also 80—115 Dearborn st., Chicago, Ill.
A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minoreas.
H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.
C. H. C. Anderson, Carlinville, Ill.
E. E. Paris, Washington, Ill.
Chas. L. Gierhart, Tiffin, O. (E. B. Thompson strain.)

R-c. B. Leghorns.
W. C. Jackson, So. Bend, Ind. 2-1

S-c. White Leghorns.
Z. E. Swonger, Box B., Logansville, O.

White Wonders.
J. M. Culver, Peterboro, N. H.

B. B. R. Games.
J. C. Pratt, Agent. Residence and Yards, La Grange, Ill. Office, U. S. Sub Treasury, Chicago, Ill.

Pit Games.
L. H. Fuller, 133 Holly Court, Oak Park, Ill. Also 80—115 Dearborn st., Chicago, Ill.

Houdans.
John M. Wise, Freeport, Ill.

Japanese Silky.
Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.
S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.
S. D. Mandeville, Sidney, Ill.

Indian Runner Ducks.
Ber'd McCaffrey, Steubenville, O. 9-98-1y

Rose-Comb Br. Leghorns.

Eggs $1 per 13,

From good, prize winning stock.

POPE & POPE,
Louisville, Ky.

Barred Plymouth Rocks.

Stock first-class, healthy and vigorous.

Write for prices.

FRED GRUNDY,
Morrisonville, Ill.

None Better.

Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.

D. T. HEIMLICH,
Jacksonville, Ill.

OUR EGGS ARE NOT THE DOLLAR KIND

Indian Games, per setting, **$3.00**
Buff Ply. Rocks per setting, **$2.00**
Pekin Ducks, per setting, **$1.50**
Mica Crystal Grit, 100 lbs. $1; ton $7
Cshd OysterSh'ls, 100 lbs. $1; ton $6.50

CUT CLOVER 100 lbs. $1.25, 200 lbs. $2.00
Pure Beef & B, 100 lbs. $2.00
Cracker Cr'bs 100 lbs. $1.50

CLEVELAND POULTRY CO., Plattsburg, N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

NOTES AND COMMENTS.

W. H. Wiebke, 266 Beavers avenue, Fort Wayne, Ind., won at Washington C. H., Ohio: S.-c. B. Leghorns, 1st cockerel 93½, 1st pullet 95¼, 1st hen 92½, 1st pen 188, 2nd pullet 94½ tie. Chas. McClave was judge.

Partridge Wyandottes are not common. They are raised in high degree of perfection by W. A. Doolittle, Sabetha, Kan., who took 1st cockerel, 1st and 2nd pullets at Chicago show.

Ira C. Keller, Prospect, O., won 373 prizes on 39 birds at Chicago—19 firsts out of 21 competed for. At Madison Square show, New York, on 16 entries, he won: Golden Wyandotte cock, 1st and 3rd; hen, 2nd; cockerel, 2nd; and the coveted prize, 1st breeding yard. On Buff Laced Wyandottes, 1st cock; 1st and 2nd females. G. S. Bantams, cockerel and pullet 1st. G. S. Bantams, cock, hen, pullet, 1st. Eight cash specials. His Golden Wyandottes were not in condition to show owing to careless handling on the road. See change of ad.

E. G. McCormack, Perrysville, Ind., has bred B. P. Rocks since 1888 and is able to show a lot of prizes. He guarantees complete satisfaction.

S. H. Bird, Beaver Dam, Wis., at Southern Wisconsin show, won on all entries of White Leghorns—1st on cockerel and pullet and 2d on pullet.

Dairy and Creamery is a new semi-monthly publication, by N. W. McLain and J. Lewis Draper, 279 Dearborn st., Chicago, at 50 cents a year. It is nicely got up and well edited.

The Gem Incubator and Brooder catalogue, issued by J. W. Sauer, Trotwood, O., describes that machine in attractive manner. This candidate for popular favor can be learned of by addressing the maker at above address.

Johnson & Stokes, 217 Market st., Philadelphia, Pa., have issued an elaborate Garden and Farm Manual for 1899, containing seed and appliances price list. This old house is one of the best known special poultrymen's supply concerns in America.

The Egyptian Poultry Association names Nashville, Ill., as the place and December 12 to 16, 1899, as the date for the next show. The officers are W. Plumhoff, president, A. S. Muller, Nashville, Ill., secretary, S. Eyren, Coulterville, Ill., treasurer.

E. O. Thiem of Vail, Iowa, has accepted a clerical position in Denison, Iowa. He will reserve a few of his finest Partridge and Buff Wyandotte breeds to keep his strains pure, and will temporarily retire from the poultry business.

Rainey Miller, Champaign, Ill., has returned to the business, with some of the best stock to be found anywhere. His list embraces the leading breeds, as he is not confined to one specialty. He has a number of choice cockerels for sale at once. Mention A. P. J. and name your wants to him.

Tillman Easley, New Market, Ind., sold White Plymouth Rock eggs to a breeder at Milford, Mass., who raised six birds from them last spring. This man showed three cockerels and three pullets at the Milford show and won 1st of cockerel, 95 points. Another scored 93½. There were 132 entries.

WHITE WYANDOTTES,

and Nothing Else.

Eggs from my best pens 13 for $1.50. Satisfaction guaranteed. My stock is large, vigorous and white. No better any place.

G. C. FLEGEL, Westville, Ind.

BARRFD PLYMOUTH ROCKS,

EXCLUSIVELY.

Strong vigorous stock for sale bred from Standard matings. Farm raised. I can fill orders for single birds, pairs, trios, breeding pens or in larger numbers and mate them for best results. Write for prices, I can please you.

D. G. MANGE, Lowell, Mich.

Poultry Supplies.

Bone Meal, Oyster Shells, Lime Stone Grit, Ground Charcoal, Beef Scraps, Broken Crackers, Caponizing Sets, Poultry Markers, Drinking Fountains, Lambert's Death to Lice, GREEN BONE CUTTERS, Poultry Wire Netting, Feed Mills, &c. Send for reduced price list.

J. H. SLACK, Mfr. Poultry Supplies, Box 210, Bloomsbury, N. J.

ARE YOUR HENS LAYING?

If not, try OVAMEAD, the Great Egg Producer. It acts on the oviduct, and makes hens lay. Enough for 10 fowles 3 months, **50c. postpaid.** Trial package **25c. postpaid.**

Ovamead Mfg. Co., Box 44, Rochester, N. Y.

BUFF LEGHORNS. COCHINS.

WINNERS AT CHICAGO, '98.

Silver Special for 5 highest scoring Buff Leghorns, '99-1st Pullet.

200 head SOLID BUFF cockerels and pullets for sale CHEAP. Will ship on approval and guarantee satisfaction.

RALPH H. MATHEW,
Box 126. Sabina, Ohio.

WHITE PLYMOUTH ROCKS,

If you are in need of some very nice White Plymouth Rocks,

BRED FROM THE SIRE OF **Indian King,**

Write me to-day.

W. M. JAMES, Alvan, Ill.

WHITE PLYMOUTH ROCKS,

Embden Geese.

Fine cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.

TILLMAN EASLEY,
Box E, Newmarket, Ind.

Buff Bargains.

200 Buff Leghorns. Females $2 and $3 males $2, $3 and $5. Eggs of Buff Rocks, Buff Leghorns and Mammoth Bronze Turkeys. Circular and price list free.

S. J. B. DUNBAR, Elkhorn, Wis.

SHOEMAKER'S BOOK ON POULTRY

and Almanac for 1899. 160 pages, 100 illustrations of Fowls, Incubators, Brooders, Poultry Houses, Poultry Supplies and largest Poultry Farm. Tells how to raise Chickens successfully, their care, diseases and remedies. Diagrams with full description to build best Poultry houses. All about **Incubators, Brooders** and thoroughbred Fowls, with lowest prices. Printed on good paper in two colors. Price only 15c. **Money back if not pleased.**

C. C. SHOEMAKER, Box 411, Freeport, Ill.

S-C. BR. LEGHORNS,
S-C. BL. MINORCAS.

Winners at leading shows.
W H. WIEBKE,
266 Beaver ave., Ft. Wayne, Ind.

Dewey Has Won Prizes.

My **SUPERB Single-comb BROWN LEGHORNS** will **WIN** too. No stock scoring less than 92. My breeders are beautiful. Stock at reasonable rates for elegant birds. Sitting of 15 eggs, in fancy box, from these breeders for 2$, express paid. **C. M. STEINMETZ,** Breeder and Proprietor,
Rosehill Poultry & Fruit Farm, Rosehill, N. C.

MONTAUK STRAIN.
Sired by Montauk Chief.
Barred Plymouth Rocks.

50 Elegant Cockerels, all Standard color, without any white or splashy feathers.
This splendid lot are sired by the famous "MONTAUK CHIEF," a marvel in shape, style and barring.

High Honors Won
with birds of my own breeding.

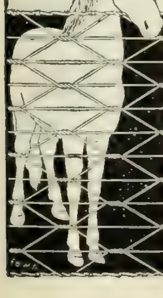
R. W. DURYEA,
Great River, L. I. N. Y.
These cockerels will go for less than half their real value. Write for prices and name kind of birds you want.

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3⅛x5⅛ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x5⅜ in., at same price. ☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash. ☞No less than 100 of any one kind printed. No samples sent to any one whatever.
JEFFIE R. HUDSON, HARDIN SPRINGS, KY.
(Mr. Hudson is perfectly reliable.—EDITOR.)

In seeking an engine of any kind, either SEMI-PORTABLE, PORTABLE or Traction, buy the
RUMELY ENGINES
They are **simple or compound** and represent unusual value. For sawmills, well drilling, threshing—anything. Also Threshers, Horse Powers, Sawmills, etc. Catalogue FREE. **M. RUMELY CO., La Porte, Ind.**

Keeps him in. Keeps others out.



HORSE-HIGH
With our **Duplex Automatic Fence Machine** you can make 100 styles of fence at the rate of 60 rods a day. Every rod of it will possess the three leading attributes made prominent in this ad. Makes a perfect general purpose fence at 18c. per rod. Poultry fence 19c. per rod. Rabbit-proof fence
BULL-STRONG
for nurseries, orchards, etc., 16c. per rod, and a good hog fence for 12c. per rod. Plain, coiled spring and barbed wire to farmers at wholesale price. Get our free catalogue before buying wire or fencing.
KITSELMAN BROS., Box 15, Ridgeville, Ind.
PIG-TIGHT

AMERICAN WHITE MINORCA CLUB.

The American White Minorca Club has been organized and the following officers elected:

President, J. W. Lyder, Akron, O.; vice-president, W. W. Browning, Ogden, Utah; secretary, Wm. Sapper, Erie, Pa.; treasurer, C. W. Jerome, Fabius, N. Y. These officers also comprise the Executive Committee. Honorary vice-presidents are to be appointed (one for each state), from among the more prominent White Minorca breeders.

The popularity of the White Minorcas among those who know them best is significant of their future possibilities and of the popularity they are bound to enjoy, as their many good qualities become better known and consequently appreciated. All breeders of the White Minorcas are cordially invited to join the organization. Our united efforts should accomplish much for this noble breed in the years to come, which is the aim and purpose of The American White Minorca Club.

The membership fee is one dollar, which together with one dollar for the first year's dues, should be sent to Wm. Sapper, secretary, Erie, Pa.

B. F. Parsons, Edwardsburg, Mich., won as follows at South Bend, Ind., December, 1898: Barred Plymouth Rocks, 2d hen; 3d cock; tied for 1st. Buff Rocks, 2d cockerel. Buff Leghorns, pullets—1st 94½, 2d 94, 3d 93¾; cockerels — 1st 94½, 2d 92¾; cock—1st 90; hen—3d 92; pen—1st 188 4-10ths. Blue Andalusians swept all, with scores from 93¾ to 92.

At the Hoopeston, Ill., show last December, with D. T. Heimlich judge, C. E. Ellsworth of Danville, Ill., won on Buff Wyandottes, 1st on hen, 90; 1st, 2d cockerel, 92, 90; 1st, 2d pullet, 93, 92; 1st pen. L. H. Griffith of the same place won on Silver Wyandottes with scores ranging from 92½ to 91½.

A. S. Parsons, Garden City, Kan., at the show there December last, won on his Black Langshans, with close cutting by John C. Snyder: 1st on cockerel, 92½; second, 92; 1st on pullet, 95½; second, 93½. No odd birds shown. Also, 1st White Plymouth Rock cockerel, 93¼.

The Mica-Crystal Grit Company of Warren Summit, N. H., is sending out about 300 tons of Mica-Crystal Grit a month. This demand shows the popularity of the article, a fact based on the intrinsic merit of the grit. There are three agencies here: F. S. Burch & Co., 178 Michigan st.; Sprague Commission Co., South Water st., and Darling & Co., Union Stock Yards.

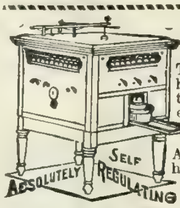
The Reliable Incubator Catalogue contains a host of convincing testimonials of the value of this well known machine. The book is a price-list also of poultry-yard supplies and appliances sold by this house. Address Reliable Incubator Company, Quincy, Ill.

Geo. W. Kinzer, New Holland, Pa., is in the field with his fine Buff Leghorns. He has a few Indian Games left. Mr. Kinzer is well known and is recommended to our readers.

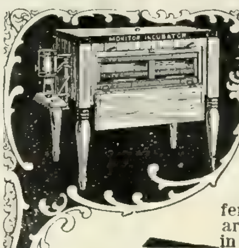
DON'T SET HENS The Same Old Way.
THE NAT'L HEN INCUBATOR beats the old plan 3 to 1. **100-Egg Hatcher $2.** Cheap in price but a mighty money maker. Send for cat'g telling how to get one free. Agents wanted.
Natural Hen Incubator Co. B72, Columbus Neb

EVERGREENS.
Largest stock in America, including
Colorado Blue Spruce and Douglas Spruce of Colorado.
Also *Ornamental, Shade and Forest Trees, Tree Seeds, Etc.*
R. DOUGLAS' SONS
Waukegan, Ill.

POTATOES $1.20 a Bbl.
Largest Seed POTATO growers in America. The "Rural New-Yorker" gives Salzer's Earliest a yield of 464 bus. per acre—ripe in 28 days. See Catalogue for prices. Our great Seed Book, 10 Farm Seed Samples, worth $10 to get a start, for 10c. postage. JOHN A. SALZER SEED CO., LaCrosse, Wis.



INCUBATORS
The OLENTANGY Incubator has proved to be the best. Have taken prize after prize. Brooders only $5.00. Before buying elsewhere, send for free description and testimonials. Also breeder of 40 varieties of high-class poultry. 110 yards. 110 houses. Address
G. S. SINGER, Cardington, O



This is the way they tumble out when good fertile eggs are placed in a
MONITOR INCUBATOR
They are made to hatch chickens, and they do it with great regularity and economy and with the smallest amount of attention. Hundreds of users testify these facts. Large percentage of live chicks from fertile eggs is their strong feature. Buy the profit winning **MONITOR** and be prosperous. Large catalogue for 4 cts. stamps.
THE MONITOR CO., Box 35, Moodus, Conn

EGGS AND MEAT
There has never been anything offered to the poultry public which will produce so many eggs and so much growth as
DARLING'S PURE POULTRY FOODS.
We manufacture all our own goods and guarantee their purity and freedom from injurious properties.
Concentrated Meal, Beef Meal, Beef Scraps, Ground Raw Bone Meal, Granulated Bone, Oyster Shells, Broiler Teeth, Mica Crystal Grit.
Since we are manufacturers and not jobbers or dealers our prices will interest you.
Send for prices and circulars.
DARLING & COMPANY,
Department 26, Union Stock Yards
CHICAGO, ILL.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Two For 75c

We will send

Reliable Poultry Journal and American Poultry Journal,

both one year for 75 cents. The regular price of each is 50 cents and you save money by sending us your subscription.

American Poultry Journal, Chicago, Illinois. U. S. A.

DAMON'S GRAND MATINGS.

EVERY MALE A WINNER.

Barred Plymouth Rocks.

Yard 1—	For	cockerels	headed	by	PILGRIM,	score	91½—2d	cock	Illinois State Show	1898.
" 2—	"	"	"	"	ATLANTIC,	"	92½—2d	cockerel	" " "	1898.
" 3—	"	"	"	"	PILGRIM, JR.,	"	93¼—3d	"	Chicago	1899.
" 4—	"	pullets	"	"	ADONIS,	"	91¾—1st	cock	West Liberty	1899.
" 5—	"	both	"	"	ALSORAN,	"	92¾—		Chicago	1899.

The above yards contain females scoring 90 to 93½ and all the birds on which I won individual, pen and sweepstakes prizes at Chicago, Danville and West Liberty 1898 and 1899.

S-c. Brown Leghorns.

Yard 6—	For	cockerels	headed	by	HERO, JR.,	score	94½—1st	cockerel	Chicago	'99
" 7—	"	"	"	"	CHICAGO,	"	94 —1st	cock	Chicago—West Liberty	'99
" 8—	"	"	"	"	HERO,	"	95 —1st	cockerel	Chicago	'98
" 9—	"	pullets	"	"	PEERLESS,	"	94 —1st	cock	Chicago—Danville	'98
" 10—	"	both	"	"	CASSIUS,	"	93½—2d	cock	Chicago	'99

Females in above yards score 92 to 95 and includes such winners as the 1st hen Chicago and Danville '98—1st and 2d West Liberty '99 and 1st, 2d and 3d Chicago '99, besides many pullet and pen prizes.

EGGS—YARDS 1, 2, 3, 4, 6, 7, 8 and 9, $3 per 13; $5 per 26.
" 5 and 10 2 " 13; 3.50 26.

My birds are strong in all sections—have fine eyes, beaks, legs, surface and under-color and grand shape and size. For a foundation and new blood you cannot get better—East or West. A few high scoring birds and some good breeders for sale reasonable.

C. A. DAMON, 2470 Monroe st., CHICAGO, ILL.

Who Has

THE LACED WING-BAR AND OPEN LACED BACK

in male birds, that you can see 30 feet away on

SILVER WYANDOTTES?

I HAVE THEM.

THE FINEST IN THE LAND. No, not many—after mating up five breeding yards I still have 10 cockerels and 20 pullets to spare. They are sired by imported "Parson" and are right up to date, according to the new Standard. Write for prices. Please remember that my stock is mated now and that

I WILL SELL EGGS

for Hatching, $3 for 13.

HENRY STEINMESCH, Breeder, Importer and Exporter, Lincoln Trust Building, St. Louis, Mo.

Farm at Normady Hills, St. Louis Co., Mo. Circular Free.

Eggs for Hatching

FISHEL'S WHITE PLY. ROCKS

I have mated for this season **5 GRAND YARDS**, each yard headed by a prize winner, as well as containing prize winning females. The record made by my birds the past season proves they have no equals. At the great Chicago Show, Jan., '99, I won 1st and 3d prizes on cockerels, 1st prize on pen and the American White P. Rock Club cup, the most coveted White Rock prize offered this season. At the Indiana State Fair, in competition with 109 White Rocks, my winnings were 1st and 2d prizes on cockerels, 1st prize cock, 1st prize hen, 1st prize pen, 2d prize pullet. A record unequalled by any White P. Rock breeder in the world.

180 Selected Breeders Yet For Sale

at prices that will sell them. If you want the best at honest prices write me. My '99 circular containing half-tones of my prize winners sent free. Send for one.

Eggs, $5 per 15.

U. R. FISHEL, Box A, Hope, Ind.

President American W. P. Rock Club.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

213 EGG STRAIN

and prize winners of White Wyandottes, all breeding stock, score from 93 to 95.

15 eggs, . . . $2.00
45 " . . 5.00
Incubator eggs . 8.00 per 100

F. P. PULSIFER, Natick, Mass.

Silver Laced Wyandotte

EGGS.

My yards contain the winners from Dubuque and Galena, Poultry Shows, Dec. '98. At Dubuque 1st cock, 1st hen, 1st and 3d cockerel, 2d and 3d pullet. At Galena 1st cock, 1st hen, 1st, 2d and 3d cockerel, 2d and 3d pullet, and 1st and 2d pen scores, 90 to 93¼. Eggs $2. per 13 straight.

F. J. HOELTING, Galena, Ill.

White Wyandottes and S-c. Buff Leghorns.

Winners at

Chicago, Coldwater, Sturgis.

Eggs $2 per 15 in season. Stock for sale at all times. Satisfaction guaranteed. Circular free. Correspondence solicited.

CHAS. F. HOWE, Coldwater, Mich.

A grand lot of Buff Rock Cockerels, Fine style, size And color. Bargains.

Buff Plymouth Rocks, Cornish Indians, Buff Leghorns and B. B. R. G. Bantams.

S. A. NOFTZGER, North Manchester, Ind.

Buff & White Rock Eggs

From the best mated pens east or west,

$2.50 per 13; $4 per 26.

Write me.

W. O. SOUTHWICK, Friend, Neb.

500 Fine Breeders for Sale from our Yards.

Bronze Turkeys, Barred and White Plymouth Rocks, White and Silver Wyandottes, Brown and White Leghorns.

FROM 40 SELECTED BREEDING PENS.

Large, Vigorous, Finely Marked. Sure to Improve your Stock. 25 Years' Experience in Mating and Breeding.

Eggs for Sale at all Times. Pairs, Trios and Pens Mated for best Results. Valuable ILLUSTRATED CIRCULAR Showing Mating's, Prices, Plans for Poultry House and Yards Sent Free. Jersey Cattle, of the highest breeding for sale. "MISS COLUMBIA." Weight at 1 mo. 40 lbs.

Address F. M. MUNGER, De Kalb, Illinois.

BRAHMAS.

High Bred; High Scoring.

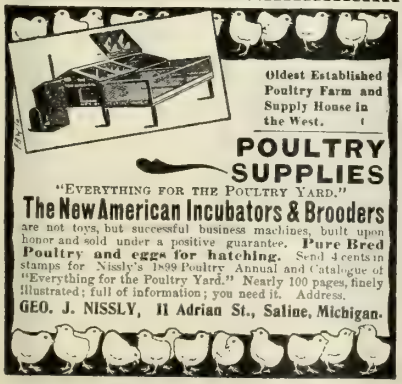
Winners Wherever shown.

A few extra fine ones left, at half price, to make room for mating. Orders now being booked for

Eggs at $2 per 13.

LEWIS G. PLEISS, New Albany, Ind.

Satisfaction or money refunded.



Oldest Established Poultry Farm and Supply House in the West.

POULTRY SUPPLIES

"EVERYTHING FOR THE POULTRY YARD."

The New American Incubators & Brooders

are not toys, but successful business machines, built upon honor and sold under a positive guarantee. **Pure Bred Poultry and eggs for hatching.** Send 3 cents in stamps for Nissly's 1899 Poultry Annual and Catalogue of "Everything for the Poultry Yard." Nearly 100 pages, finely illustrated; full of information; you need it. Address.

GEO. J. NISSLY, 11 Adrian St., Saline, Michigan.

A LITTLE OF EVERYTHING.

A. J. Bargahiser, Rockford, Ohio.—If you want healthy birds and lots of eggs the year round, feed parched corn for evening meal three times a week during winter. Twice a week, fall and spring, and once a week in summer feed parched wheat for evening meal.

N. Schweinfurth, Jackson, Mich.—Look to the drinking water. Most of the ills to poultry come from impure water. Common milk crocks make a good vessel. They can be easily cleaned and do not absorb filth. Except for crested fowls they are satisfactory.

J. W. Houston, Marshall, Mich.—The way to prevent cholera in your chicks is to begin with the setting hen. Dust her well with Persian insect powder the 1st, 5th, 12th and 19th days. Examine chicks' heads for lice every third day until eight weeks old. Wholesome food, fresh cool water, dry place. No cholera.

B. F. Parsons, Edwardsburg, Mich.—Lukewarm water given to hens in cold weather is time well spent, if you desire eggs. Ice water is not conducive to egg production. Do not feed too hot soft mess, but just warm enough to be palatable. Don't forget to add a little salt to the mash.

Geo. Owen, Wray, Colo.—Many farmers complain because eggs are so cheap, and yet do the very thing to cheapen them, by sending to market the dirty, stale and doubtful eggs. A Fresh-egg Club for farmers and poultrymen is in order.

C. A. Damon, 2470 Monroe st., Chicago.—During breeding season it is difficult to keep male well fed without overfeeding females. Nail a small box or can to wall within reach of the male but too high for females. Keep this filled. Mr. Rooster will do the rest.

B. H. & M. H. Smith, Coldwater, Mich.—One of the most interesting phases of poultry breeding is the quick results of experiments, such as mating for special points, color, etc. We mated for a buff wing in one pen of Wyandottes and got one cockerel with an almost solid buff wing—other points good.

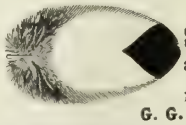
H. S. Godfrey, Rockford, Ill.—To cure bad cold or incipient roup, morning and evening inject a few drops of equal parts kerosene and sweet oil into nostrils and cleft in roof of mouth.

Geo. H. Phillips, Villa Ridge, Ill.—When is it desirable to have two roosters, which have been previously kept separate, run together, don't make the mistake that I often have of separating them when only half through fighting, thinking that they will not fight again. Let them have it out. They won't hurt each other unless they are Games. Fowls of the larger breeds will soon tire themselves out and may be fight all day without injuring each other. One will finally get enough and keep out of the other's way. Of course they get their feathers soiled.

W. M. Jones, Alvin, Ill.—I chose the White Plymouth Rocks because they grow faster and mature more quickly than any other breed I have tried. My pullets commence laying at four months of age and keep up that admirable habit all winter.

BANTAMS—Golden Sebright, Silver Sebright, Black African, White Rose-comb, White Polish, Black Cochin, White Cochin, Buff Pekin, Black Tail Japanese, Red Pile Game, Black Red Game, Golden Duckwing Game, Silver Duckwing Game, Cuckoo Cochin. Eggs $1.50 for 13.

H. D. & H. P. TAYLOR,
274 Warren ave., East, Detroit, Mich.



WHERRY'S

Silver Spangled Hamburgs

are unexcelled in America. Show birds that can win for sale.

G. G. WHERRY, Galena, Ohio.

I Breed

Barred Plymouth Rocks,

WINNERS AT WENONA—1 ckl.; 3, 4 pullet 1 breeding pen.

Mammoth Bronze Turkeys and Rouen Ducks. Stock and eggs in season. All inquiries promptly answered.

THOMAS McKEE, Box 142, Washburn, Ill.

1879 O. K. POULTRY YARDS. 1899

Black Langshans, Black Langshan Bantams.

First-class Stock.

They win for others, they will for you.

WM. M. HUGHES, Box T, So. Portsmouth, R. I.

HOUSTON'S BUFF ROCKS

"We are shaking the (egg) plum tree" for the benefit of our friends. A few birds left for sale. We reserve 50 of the cream—old and young, for breeders. This means WINNERS for YOU next season from OUR eggs. We can afford to keep them. You can afford to buy at $2 per sitting.

I. W. HOUSTON, Marshall, Mich.

FootFeathering And Penciling.

is what I have. 16 years a breeder of Partridge Cochins exclusively. Some good cockerels and pullets for sale. Satisfaction guaranteed.

GEO. B. GOTT, Iona, Mich.

BLACK LANGSHANS.

200 Head For Sale.

Won at Danville 1897, and Illinois State Show at Danville, 1898 and Dec. 28th and 31st, 1898. Scored by Russell, Hewes and Pierce. Eggs $2.00 per 15, $3.00 for 30; money returned if not satisfied.

W. M. MAYER,
824 E. Main st., Danville, Ill.

Hallock's Pekins

are among the first on the market, are sought for by the trade, command the highest prices and give the best of satisfaction in every way." And it's the same story in the show room—the proof is the long string of blue ribbons they've won at New York, Boston, Washington, D. C., and other shows. Breeders are now ready at money-saving prices. A free booklet gives the particulars.

A. J. HALLOCK,
Box A. Speonk, L. I., N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

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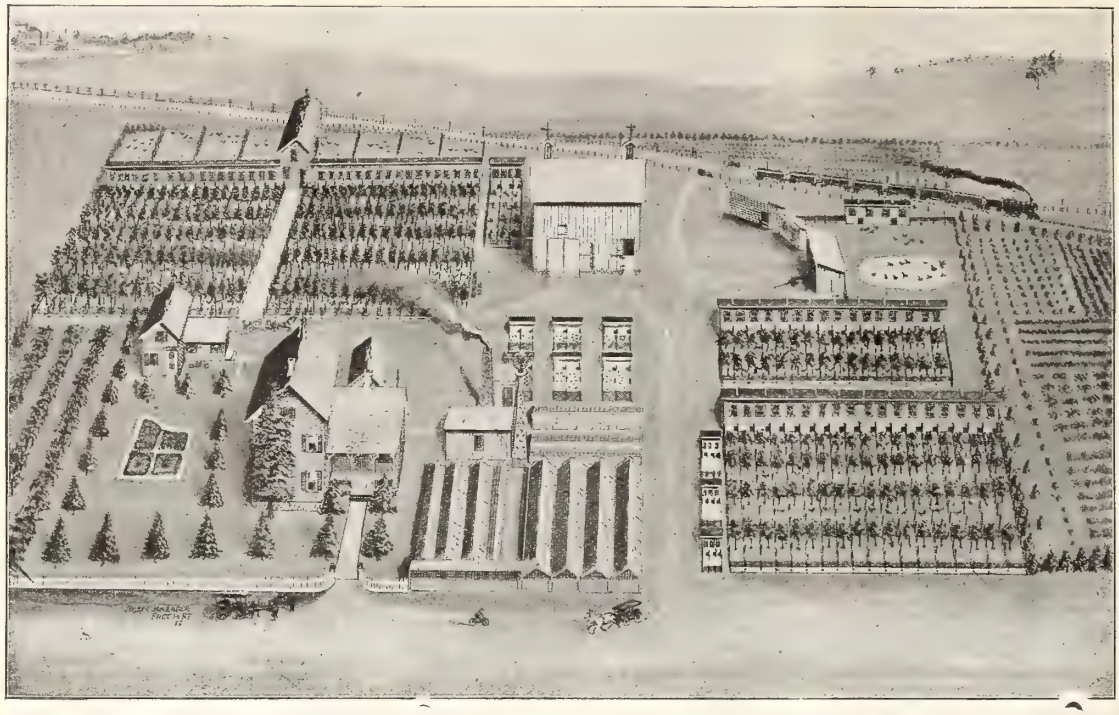


Bird's Eye View of

J. Bauscher's Ideal Poultry Farm,

Box 130, FREEPORT, ILL.,

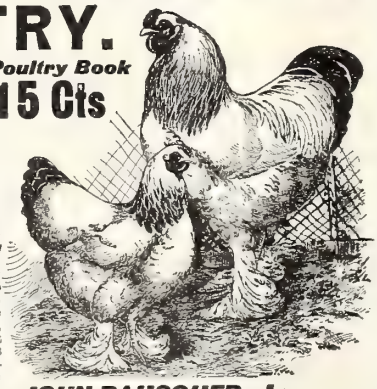
Breeder and Shipper of 45 of the Leading Varieties of High Grade Thoroughbred Stock.

Prices Reasonable. See Our Ad Below.

A NEW BOOK ON POULTRY.

Bauscher's Mammoth New 1899 Poultry Book Worth $25.00 to any one.

Sent postpaid to any address IF YOU WRITE NOW, FOR **Only 15 Cts**



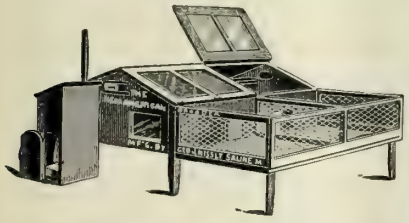
It is a Beauty..

with a fine lithograph plate of fowls in their natural colors, this alone is worth many times the price of the book. It is the finest, largest and **the most complete book out for 1899** **It tells you everything** that you may want to know **about poultry and how to make big money with them.** It contains over 175 of the latest illustrations, hundreds of **valuable recipes,** questions and answers, and shows a bird's eye view of the largest and best equipped poultry farm, with the most substantial buildings in the country. **It tells how to make hens lay wonderfully.** It gives descriptions of 45 of the leading varieties of thoroughbred poultry Prices the lowest. Contains first prize winnings of our stock where ever shown. **Write at once,** enclosing 15 cents for one of these mammoth books before all are sold.

JOHN BAUSCHER, Jr.
Box 130, Freeport, Ills.

A SATISFACTORY BROODER.

The time has not been very long since the brooder was looked upon as a secondary attachment to the incubator, and if the latter were all right it did not matter much how poor the brooder was. George J. Nissly, of Saline, Mich., saw this point and he has made it pay him well. He manufactures a good incubator, as good as any of them, and with it is a brooder which is certainly deserving of great credit. It is known as the New American Brooder, and is a great advance



on anything which has heretofore been offered the public. Mr. Nissly states that it is built on honor, and the many people who have dealt with him during the past fifteen years know what that means. It is roomy, well-built, well-ventilated, and has common sense ideas all over it. Mr. Nissly sends out a 100-page catalogue to all who accompany their request for it with four cents in stamps. It is devoted to his poultry supply and poultry business, and is profusely illustrated.

LEE'S POULTRY SUPPLIES.

Geo. H. Lee Co. has opened an office in New York in addition to the Omaha, Chicago, Oakland (Cal.) and Los Angeles, to supply the increasing demand for Lee's Lice Killer, Tonic Powder, and other goods. The following testimonials show the value of the tonic:

Miss Susie Marsh, Armour, S. D., writes: "As many as a dozen persons have told me they would take it as soon as ever I got it. I would not be afraid to invest $50 in Lee's Lice Killer alone, for once used no one would be without it in the poultry house. The Tonic Powder I know also is equally good for producing eggs."

Walter Miller, Ewing, Neb., writes: "Enclosed find $1 for five more boxes of Lee's Tonic Powder. Hens that were laying 7 and 8 eggs per day are laying 17 eggs per day after two feeds of Tonic Powder."

F. A. Blanchard, the White Wyandotte specialist, has a change of ad this month and offers special inducements to intending purchasers of eggs of this variety of fowls. The scores obtained by him this season at the exhibition of the Southern Ind. Poultry Show, at New Albany, are evidence as to the quality of his birds. Mr. Blanchard has bred White Wyandottes for several years and his foundation stock was obtained from some of the best strains to be found.

The firm of Lucas & Reilly, of Danville, Ill., has been dissolved, Gordon L. Reilly assuming the business. Mr. Reilly retains White Plymouth Rocks and wishes to assure his customers that he will treat all fair and honestly.

WHITE SILVER **WYANDOTTES.** GOLDEN BUFF

We have as good an average flock of Wyandottes as any breeder. 75 per cent of the birds in our breeding pens score from 90 to 95½ (average 92¾) by such judges as Bridge, Tucker, Heimlich and Meyers. Our birds are mated for good results. Each breeding pen (9 to 12 birds) has roosting and laying room 8x15, scratching shed 12x 15, yards 40x75, and are properly fed. Eggs that are fertile $2. No circular. A few good birds for sale.

MAPLE CITY POULTRY YARDS, F. M. Grier, Prop., Box C., Charlotte, Mich.

A Record Never Beaten in Michigan:

At State Poultry Exhibit, Detroit, Jan., 1899, 1st on B. P. Rock ckl., 93, by Russell. Won silver cup in B. P. Rock Club for best cockerel.

Record at State Poultry Exhibit, Jackson, 1896.

1st on breeding pen B. P. Rocks, score				186¼
1st on cockerel	"	"	"	94
1st on hen	"	"	"	93
3d on pullet	"	"	"	93

Sharp Butterfield, judge.

OAK LAWN POULTRY FARM,

C. W. MANSFIELD, Prop., Ypsilanti, Mich.

Breeder of Superfine

Barred Plymouth Rocks and Single-comb Brown Leghorns.

Birds and eggs for sale in season.

Eggs, $1.50 per sitting.

WE, THE PIONEER SHIPPERS of White Plymouth Rock eggs by the hundred at a small figure, would be tickled most to death to receive your order. Have in the fruit belt, near Bangor, Mich , our new location, a 40-acre farm which will be utilized for the production of W. P. R. eggs and fruit entirely. We must expand very rapidly to meet the ever increasing demand for these eggs, and hope by another year to be able to cope with the same. Be not afraid of our offer. It is intelligent, enterprising and faithful. Eggs $3.00 per 100; $2.00 per 50, so packed as to travel with entire safety any distance without the least jarring, a very important matter. **BANGOR WHITE P. ROCK EGG FARM, BANGOR, MICH.**, 85 miles east of Chicago. Western shipping point, Buckingham, Ill.

A. HOLMES.

MAMMOTH LIGHT BRAHMAS.

Prize Winners at the Great Chicago and Peoria Shows, 1899.

Have some extra good birds for sale. Eggs in season $3 per 13. Rouen Ducks, eggs $1 per 11.

Mention this paper. **MRS. S. M. ROBINSON: Washburn, Ill.**

Trial Order

Eggs for Hatching from Prize Winners.

White Wyandottes, scored by Emry 93, 94¾,
$2.50 per 15 eggs.

White and Barred Plymouth Rocks,
White and Brown Leghorns (laying strain)
$2.00 per 15 eggs.

A few scored and unscored cockerels and pullets cheap.

F. E. DeMUTH, Successor to E. I. Boyington, **Wheaton, Ill.**

Satisfaction guaranteed, Correspondence solicited.

CRESCENT'S S.C.B.LEGHORNS

CRESCENT POULTRY YARD — MILWAUKEE, WIS.

FRANCIS P. CRESCENT, Mngr.,
1532, 23d st., Milwaukee, Wisconsin.

NO USE TALKING, you know as well as anybody else that we have the most prolific laying strain of S-c. Brown Leghorns to be found, without our continually telling you so.

WHAT'S THAT YOU SAY? Suppose you are not satisfied. Why then we will return your money as cheerfully as we took it; that is our way of doing business. Brown Leghorns exclusively,

Eggs, $1 per 13. Write for circulsr—Free.

American Beauties.

Open Laced

Silver Wyandottes.

There is no better breed of poultry than our American Silver Wyandottes. There is no better strain of Wyandottes than our "American Beauty" strain. We have a few choice cockerels, pullets and hens for sale at a bargain to make more room. The first prize cockerel at the great Chicago Show, Jan. '99 heads our pen No. 1. Orders for eggs should be booked well in advance, $3. per sitting. We will fill orders first received; others if we can. We offer a few good cockerels from our best stock, good for utility purposes, not quite perfect in markings, from $2. to $5. A few choice ones, $10. and $15. Pullets from $2. up. State your wants and we will fill your order if we can. Address

Kenilworth Poultry Yards, Oak Park, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

This is Another Year!

We are with the A. P. J. and shall have the satisfaction of offering its readers

Our White Wyandottes,

which are Better than Ever before.

We have a large quantity of choice breeders on hand, males and females, Will carefully mate up trios, and pens of any size for next season's breeding. Although we have improved our whole flock materially we shall continue, THIS ONE SEASON ONLY, to sell eggs for same price as last, $3 per sitting; 4 sittings $10; $15 per 100.

ARTHUR G. DUSTON,

☞Box 1020. Marlboro, Mass.

Adirondack **BLACK MINORCAS.** Exclusively.

My Minorcas have a show record at **MADISON SQUARE GARDEN**, and elsewhere, which is proof of high quality. They are also bred for layers. **IT IS NOT TOO EARLY TO PLACE YOUR ORDER** for **EGGS** from my best prize matings, **BRED IN LINE**, at $3 for 13; $5 for 26; or $10 for 65 **EGGS**. My Minorcas are noted for size, type and color. Mention A. P. J. and get circular.

J. H. DOANE, Lock Box D, Gouverneur, N. Y.

Buff Cochin Bantams, Exclusively.

Winners at Detroit as follows: 1st cock, 1st and 4th hens, 1st pen, 2d and 4th cockerels, 2d, 3d and 4th pullets Scoring 93 to 94¾. Special for best cock, best pair, and also best cockerel and two pullets Butterfield, judge. Clean sweep at South Bend show; also winning all firsts, specials and pen prizes at Logansport. Jas. A. Tucker and H. A. Bridge, judges. See show report. I will sell eggs from three grand pens, *positively my best.* Price, $2 per sitting. Buy eggs of me and raise winners of the red and blue. Address.

Mention American Poultry Journal. **FREDERICK F. WILLIS, So. Bend, Ind.**

BUCKEYE FARM, AUSTINBURG, OHIO. Box 140.

My breeders this season are by far the finest I ever owned. Ten grand yards now mated, of those GOLDEN BUFFS, scoring 90 to 94.

WHY NOT WIN ON BUFFS?

YOU CAN WITH MY STOCK.

Feel as though you ought to receive your money's worth when you buy? Then send me your egg orders. They're $2 per 15; eight chicks guaranteed

E. A. PHELPS, Prop.

Buff P. Rocks

Gold Coin Strain,

Again Win.

Seven premiums on 10 entries at the Great Bloomington show. If you want good size, good color and the best of layers, try a sitting of eggs from this noted strain. Single sitting $3; two sittings $5. These prizes were not won years ago, but this year, by my own bred and raised stock.

Address **ISRAEL ROOT, Bloomington, Ill.**

Now is the Time

to buy good breeding stock for the coming season.

It will be greatly to your interest to write and get our prices before you buy. We have a fine lot of Houdans, W. P. Rocks, B. P. Rocks and W. Wyandottes to select from. Our prices are low for quality of stock. Your money back if you are not satisfied. We ship at lowest rates possible. Can be be of any use to you?

Eggs $3 to $5 for 13 Eggs.

OLD HONESTY POULTRY YARDS,
Rockford, Ohio.

A. J. BARGAHISER: Prop.

A. H. HANDY, Vanndale, Arkansas,

BARRED PLYMOUTH ROCKS, Only. WRITE ME YOUR WANTS.

A few choice cockerels for sale. Also eggs in season, $2 per 13.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

MADISON GARDEN EXHIBITION.

Comprehensive Description of this Leading Event in the East is Given the Readers of American Poultry Journal by T. F. McGrew—A Splendid Exhibition of the Best Examples.

Secretary H. V. Crawford of the New York show should be praised and complimented upon his crowning effort at piloting a poultry exhibition through the troubled problems of a large city; for, as well stated by one who knows, every time you sit down it costs a dollar; if you arise to save this outlay, it costs you two. Mr. Crawford never allows himself time enough to rest from start to finish. In this is his secret of success.

The total entries are about six hundred in advance of last year, distributed through all classes. The platforms and galleries built for the use of the cycle show the week before were utilized in making the display more attractive, and the decorations for the recent balls give the whole interior a pleasing appearance. The artistic placing of the display pens and exhibition coops speaks volumes in praise of Mr. Rackham. Nowhere on earth can a display be made so beautiful as in the Garden; even Crystal Palace cannot surpass it as a beautiful building in which to coop a display of poultry.

In old Brahmas, 44 handsome birds were shown in the open classes and 11 breeding pens. The winners, both male and female, in old birds were exceedingly fine specimens; the cockerels were also beautiful birds; pullets a little weak as a class. The breeding pens were all very fine. Especial credit should be given to the first and second, which were very well mated pens. Twenty-nine Black Brahmas were shown in the open class and two breeding pens. The birds shown by Hempstead Farms are deserving of great praise. The pencilling and coloring of the females unusually good. Both breeding pens were a credit to their owners.

The Cochin classes were very good, especially in Buff and Partridge. The Boston winners were here in Buffs and won all the firsts and seconds. The balance were divided between a number of exhibitors, some of the birds being very high in quality, especially those shown by Lynhurst Poultry Yards. In Partridge Cochins the contest was between Messrs. Mitchell and Baylies; the former gentleman won the majority of the prizes. Of the male birds, some grand specimens were shown. In females, first and second hens were both so fine in quality that no one could have found fault with the judge had he reversed his decision. Some grand pullets were shown, the bulk of the prizes going to Mr. Mitchell. The Black Cochin classes were light, and the specimens far from being of a high character. We do not think this class nearly so good as the one at Boston.

In White Cochins, the winners were all good, especially the first cock and hen, being the same that were shown at Boston a year ago, attracting so much attention.

Langshans were a strong class as to quality. Not a bad bird in the lot. First cockerel attracted attention. Messrs. Keasby and Robinson won the majority

of the awards. Some good Whites were shown.

The display of Buff Orpingtons was very pleasing. These birds looked somewhat like Rocks, with a tendency to Dorking bodies.

The Barred Rock classes were very strong. First cock was a grand bird, the property of Charles H. Wells of Stratford, Conn., who won first, third cock; first, second hen; second, third cockerel; first, second and third pullet on a grand lot of birds. First cockerel went to M. S. Gardner of Philadelphia, N. Y., who also won fifth on pullet, third hen and fifth pen. Ninety shown in the open classes.

White Plymouth Rocks were a superb class; the cockerels the best we have seen this season. The winning cock from Fisher Island, a wonder; the hens and pullets all good; competition strong; classes large.

Buff Rocks showed sixty-one in open classes; seven breeding pens. At our eastern shows, birds in open classes cannot show for pen prizes. They must be cooped for that purpose only. These birds show great improvement; their color is better. The best colored females are a little off from Rock shape; the male birds the best lot of the year. First cockerel was a wonder in evenness of color—a little light of color. The hens, a fine lot as to Rock qualities, but not right in color. The cockerels, twenty-one in number, the best of the four classes. The awards in pens did not please some exhibitors, all from the question of color. Neither red nor lemon fills the description of buff.

Silver Wyandottes were a small collection of quality. The winning pullet, splendid in color, belongs to Mr. J. T. Cothran, New Rochelle, N. Y., who also won second cock, hen and cockerel.

Golden Wyandottes, a superb lot. Mr. Keller was fairly beaten out of all first, except on cock bird. Mr. Moon won first on hen and cockerel. Mr. Davis on pullet. Only one pen shown.

White Wyandottes, a fine lot. The twenty ribbons in the open classes went to eleven exhibitors out of a class of fifty-four birds. Mr. Forsyth won first on cockerel and hen; second on cock; Lebanon Poultry Yards, first cock; first pullet.

Buff Wyandottes. First cock, a fine specimen; second, very fine in shape and even in color, though not so large as first. The whole class throughout very fine. Mr. C. S. Matteson won all blue ribbons in sight with a fine line of birds, the other awards going to seven other exhibitors. The any other variety Wyandottes brought out the Buff Laced, Partridge, Black and Brahma colored, and bid promise of being handsome birds, but such unneeded varieties should be discouraged. A few Javas, Jersey Blues and Black Spanish were shown.

A fine collection of Andalusian; thirty in number; size and color very good. Newton Cosh of Canada had by far the best of the race. These fowls should be encouraged.

In the Leghorns, on Whites Mr. Cornell took first on both old and young males; first pullet to Mr. Vought; the other prizes well distributed. In Brown Leghorns the prizes went to seven exhibitors, Burgott winning first hen and cockerel; H. W. Smith, first cock; Forsyth first pullet, first pen; fifty-three in open class; six pens. Buff Leghorns, both single and rose-comb, of good quality,

PURE WHITE WYANDOTTES from Clarevista Fruit Farm, Covert, Mich. Prize winners at Kalamazoo Poultry Show, Sharp Butterfield, judge; also at Dowagiac. Fine cockerels $2, $3, $5. $10. Eggs in season at $1.50 for 13; $3 for 30.

WH. WYANDOTTES.

Our Prize Winners.

Do you want something fine for breeding or the show room? We have them, and at right prices. Eggs in season at $2 per 15.

FRED KEITH & SON, Lansing, Mich.

KLINE'S BUFF ROCKS—Winners at such shows as Madison Square Garden, Hagerstown, Mt. Gretna, Johnstown, Washington, Kansas City. 4 gold specials and Silver cup. Eggs $2; 3 sittings $5. Write for catalogue. FRANK KLINE, Box 308 A, Spring City, Pa.

Thomas Has Winners.

Barred Plymouth Rocks and Pekin Ducks.

Our birds are farm grown and were first prize winners at Sabina, Xenia and Springfield, Ohio, this winter. Our catalogue tells all about them; write for it. Eggs from choicest matings for sale. Barred Rock eggs $2 per 15; $3.50 per 30; $5 per 50. Duck eggs $1 per 12; $3 per 50; $5 per 100.

H. P. THOMAS, So. Charleston, Ohio.

ROUP CURE GUARANTEED, **ROUP**

CONKEY'S ROUP CURE—the only remedy positively known to cure Roup in all its forms as long as the fowl can see to drink. Simply put the cure in drinking water and the fowl will take its own medicine. **For Canker**, especially in pigeons, this remedy excels all others. One 50c package makes 25 gallons of medicine. **Directions** with every package. If this fails to cure we refund the money. Postpaid, small size, 50c; large size, $1. Petaluma Incubator Co., Petaluma, Cal., Pacific Coast Agents.

AGENTS WANTED. G. E. CONKEY & CO., CLEVELAND, OHIO.

Please mention this paper. Do not send stamps.

White Plymouth Rocks,

Exclusively—EmpireStrain.

If you want prize winners you must have eggs from pure stock. I have the stock; pure white, large size, yellow legs, beak and skin, low combs. Eggs, $2 per 15. Satisfaction guaranteed.

I. F. SCHOTT, Box 144, New Pittsburg, Wayne Co., Ohio.

Member Advisory Board A. W. P. R. Club.

SPRING RUN POULTRY YARDS.

Dr. W. A. CRUM & L. A. LOGSDON, Props., Carey, Ohio.

Buff White **P. Rocks,** Buff White Silver **Wyandottes** Toulouse Embden **Geese**

Buff Rocks score to 94, W. R. to 96, Buff Wyandottes to 93½, White Wyandottes to 96½ and Silver Wyandottes to 94½. All scored in strongest competition in show rooms at Toledo and Carey, O. Toulouse Geese scored to 98 and weighed 28 lbs. Embden to 98½.

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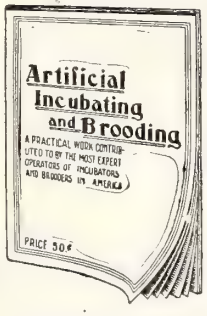

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shown. If the Buff Leghorn breeders would follow for shade of color the surface color of the hen that won the color special, and breed for this same color for breast of male and one even top color to conform, they would have some grand specimens. Discard the uneven, washy top color in males. In rose-comb, White and Brown, Forsyth won five firsts and other smaller awards, Richard Oke and W. W. Kulp winning their share of the balance.

Black Minorcas were a big, strong class. Many very fine specimens unplaced. There were 12 cock birds; first to Dr. Andruss; second to August Rudenick; third to Thretaway. Hens, 20. First, Lebanon Poul. Yds.; second, Thretaway; third, Andrus. Cockerels, 18. First, Gerleck; second, Thretaway; third, Rudenick. Pullets, first, Andruss; second, Thretaway; third, Andruss. To do this class justice a full list of exhibitors should be published. Thretaway won first pen; he has grand birds. Andruss won second pen; Doan, third. All very good. A few White shown; the winning hen a wonderful Minorca. Rose-comb Minorcas, White and Black, of quality shown by Messrs. Northup, Stoddard, Hooley, Bohn, Maxwell, and Jerome & Co. The Polish class not up to usual number. Quality good.

Hamburgs, sixty in all; many good specimens shown, Richard Oke winning the larger share of award; Menick & Son and M. B. Magargee dividing with him. Messrs. Topping and Jacobus winning in some classes.

The Dorking and French classes were rather light this year; only 16 Dorkings and 14 Houdan; 4 LaFleche. The Dorking awards divided by Messrs. Hales, Inches, Westfall and Lamon & Co. In Houdans, Forsyth won all firsts; the balance went to J. B. Thomas and Nestledown Yards.

The Games were 82 in number, of quality never before shown in the States. Peirce Bros., of Winchester, N. H., won eight first and eight other awards; sixteen in all; on a fine string of birds. W. P. Butler did well on Black Reds; so did Barker of Canada.

There were 88 Indian Games of good quality shown in open classes, by seventeen exhibitors, among whom the ribbons were well distributed. The quality of both colored and white was par excellence. Messrs. Wood and Figgins displayed some superior Sumatra, Frizzled, and any other variety included Red Caps, Black Orpington and Rhode Island Reds.

The display of Ducks and Geese, useful and ornamental, is always a feature at New York. This year was no exception to the rule.

There were 147 Game Bantams in the open classes, the best of English and American bred stock. To describe each would be an endless task. Not one poor specimen in the whole line. A. A. Parker won his share ,as usual. So did Mountainside Lofts, and W. Barker in Black Reds, Mr. McGown heading the list in cockerels. In other classes the awards were divided among many.

Golden and Silver Seabrights had 54 in open classes proper. Keller and Oke won the first and seconds on Golden; Keller, Quilhot, Proper and Oke on Silvers.

Cochin Bantams were a grand lot as to quality. The four Buff cocks shown were all fine specimens. First, the equal to any shown; fourth, most beautiful in color. Buff hens, good in quality. First, a nice Cochin; 2nd and 3rd, fine speci-

mens; cockerels and pullets, a fine line of birds. Whites, first, second and third cocks of equal merit. First hen and pullet, little wonders. All other good. Blacks a class of 13 birds. Hens specially fine. Partridge Cochin Bantams of splendid quality, shown by Elmwood Farm, Weston, N. J., who won eleven regular and five specials on thirteen entries of Cochin Bantams.

Black and White Rose-combs, beautiful collection of Bantams. In Japanese some wonders shown. The best yet seen was a little Grey male shown by Mountainside Lofts. A few handsome Booted, White and Polish shown.

In Brahma Bantams there were 20 lights shown, and a grand lot they were. The prizes went to George Hillson, D. Lincoln Orr, Mountainside Lofts and Elmwood Farm, Weston, N. J., all of whom have some splendid birds. One Dark Brahma Bantam shown.

The display of turkeys was very fine.

Dressed poultry and eggs were an attractive display. It was placed in a small room built for the occasion and attracted much attention.

Cats and pet stock added much to the interest.

James Forsyth had a display pen of mammoth Brown Leghorns on exhibition, the hens weighing 7¼ pounds; color and shape very good. This demonstrates the fact that Leghorns need not be so small.

The Navy Department, also the Herald and Journal, made displays of their Homers, which did service during the late war. These displays were interesting to the people.

Warren Heustis of Belmont, Mass., made a display of baby pigs, which pleased the city people. They were small Yorkshires of quality.

The display of pigeons outnumbered any of former years. The fanciers in this department say it excelled any held in New York for years.

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T. F. McGREW.

BLOOMINGTON SHOW.

The seventh annual show at Bloomington, Ill., was very successful. The leading classes were well filled. Under the management of F. C. Luettig, secretary, the work was done in a manner to please all. Theodore Hewes was judge.

The Leghorns were well represented. Among the Browns the winnings was based upon specimens ranging from 93¾. The S-c. Whites were stronger, requiring above 93 to win, and reaching 94½. The Buffs were good, the young birds winning out on 92½ and 93½.

The Barred Rocks offered sharp competition, with 79 specimens, the 1st cockerel scoring 91¾ and the pullets 92. The Whites ranged from 95 and 94, on pullet and cockerel. The Buffs reached 93 on 1st pullet and 91¼ on cockerel.

The Wyandottes were good. The young stock reached 92¼ on pullet, in Goldens, and held up firmer in Silvers. The first cock was a 93¾ point bird. The Buffs showed improvement.

The Dark Brahmas were not high scoring birds, but the Lights were a good class of fine examples. The 1st cock was 92¾, the cockerel 94¼, the pullet 94¾.

Taken as a whole, the show was very satisfactory. The next exhibiton will be held December 11 to 16, 1899, with W. S. Russell as judge. The following officers were elected: S. S. Noble, president; F. A. Rodman, vice-president; D. W. Zimmer, treasurer; B. J. Vandaverd, superintendent; F. C. Luttig, secretary.

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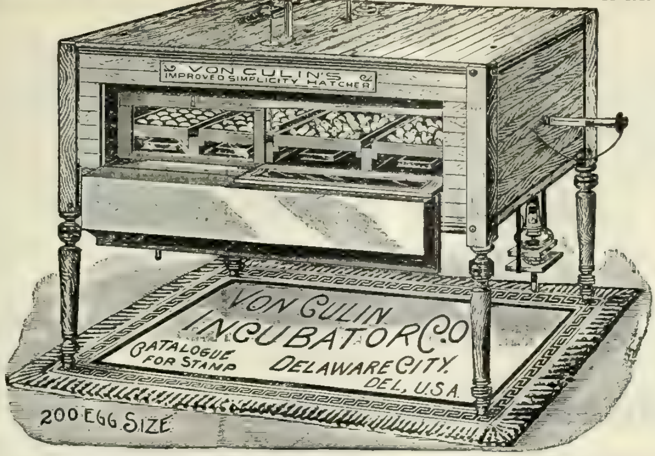

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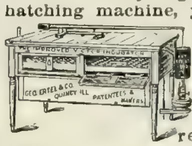

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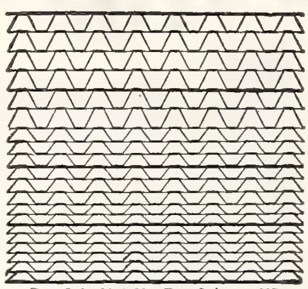

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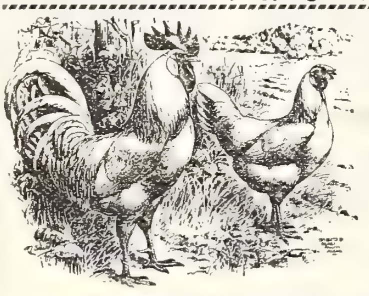

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PIKE'S PEAK EXHIBITION.

Important Gathering of Western Fanciers in the Mountain State—The West Contrasted with the East.

The fourth annual exhibition of the Pike's Peak Poultry Association was successful. All awards were paid at once. The cards were all up the second day. The Indexed Score Record book, originated by the secretary, Edwin D. Frock, Colorado Springs, Colo., was highly satisfactory. There were 700 birds at the show, beides pigeons and hares. A Star Incubator was given as a prize. Superintendent G. I. Phillips of Fountain, Colo., was highly commended. Judge W. S. Russell cut hard, but pleased all with his fair treatment. There is harmony among the members. It is hoped that the Colorado State show will be held in conjunction with this association's exhibit next season.

The awards in the different classes were as follows:

Barred Plymouth Rocks—51 competing—J. W. Talcott, Denver, Colo., pen 1st 183⅜; cockerels 1st 92, 2nd 92 and 3rd 91; pullets 2nd 92 and 3rd 92. H. Sill, Colorado Springs, hen 1st 91½. C. E. Smith & Son, Colorado Springs, hen 2nd 91, 3rd 91 and 4th with two at 90. W. I. Kyle, Pueblo, Colo., pen 2nd 180⅞; pullet 1st 93 and tie 2nd 92½.

White Plymouth Rocks—20 competing—Mrs. J. T. Ryan, Colorado Springs, pen 1st 188⅜; cockerel 1st 93 and 2nd 93; pullet 1st 96, 2nd 95½ and 3rd with two at 95. C. E. Smith & Son, pen 2nd 185; cock 1st 92½ and 2nd 91; hen 1st 93½, 2nd 92½ and 3rd 92.

Buff Plymouth Rocks—24 competing—E. C. Sheldon, Colorado Springs, cock 1st; cockerel 1st; pullet 2nd and 3rd. John M. Hill, Colorado Springs, pullet 1st and 4th. Mr. Hill also showed one fine pair of Rhode Island Reds.

White Wyandottes—30 competing—David McMurdo, Castle Rock, Colo., pen 1st 188⅝; hen tie 1st 95; cockerel 1st 93½ and 3rd 92½; pullet tie 1st 95½, 2nd with three at 95 and 3rd 94½. J. B. Phillips, Colorado Springs, hen tie 2nd; cockerel 2nd 93. S. McMillin, Colorado Springs, hen tie 1st 95; tie 2nd 94½, and 3rd 94. Geo. I. Phillips, Fountain Colo., pullet tie 1st with two at 95½.

Buff Wyandottes—12 competing—H. C. Shimp, Colorado Springs, cockerel 3rd; pullet 2nd 90 and 3rd. E. D. Frock, Colorado Springs, also had a pen in this class, but they were not in competition for the prizes. They scored cockerel 93½ and 90½ and pullet 92½.

Buff Cochins—23 competing—J. I. Muncey, Pueblo, Colo., cockerel 1st 92½ and 2nd 91; pullet 2nd 91. C. E. Smith & Son, cock 1st 91½: hen 2nd; pullet 1st 92½. H. C. Shimp, cock 2nd; hen 1st; cockerel 3rd; pullet 3rd.

Partridge Cochins—11 competing—J. I. Muncey, cock 1st; hens 2nd and 3rd. C. E. Smith & Son, cock 2nd; hen 1st; pullet 1st 93, 2nd 91 and 3rd 90½.

Black Langshans—40 competing—C. E. Bennett, Colorado Springs, cockerels 1st 94; 2nd 93¾, 3rd 93½; pullet 1st 94½, 2nd tie with three at 94, and 3rd tie with three more at 94. D. McPherson, Colorado Springs, cockerel 4th 93; hens 1st 94, 2nd 92½ and 3rd 90½.

Rose-Comb Brown Leghorns—36 competing — J. B. Nichols, Sheridan Lake, Colo., cock 1st 93; pullet tie 1st 93. F. D. Pastorius, Colorado Springs, cockerel 1st 93½ and 2nd 90; hen 1st 92, 2nd 92 and 3rd 91½; pullet tie 1st 93, 2nd 92½ and 3rd 92.

Single-Comb Brown Leghorns—64 competing—G. D. Kennedy, Colorado Springs, cockerel 1st 92½; pullet tie 1st 93½. Geo. I. Phillips, hen 1st 92; cockerel tie 2nd 92; pullet tie 1st 93½; Eb. Lowther, Colorado Springs, pen 1st 182¾; cockerel tie 2nd 92; 3rd, 91½; pullet 3rd 92½.

Rose-Combed White Leghorns—47 competing—Standard Leghorn Company, Colorado Springs, pen 1st 187⅝, 2nd 187⅜; cock 1st 93; hen 1st 95½; cockerel 1st 93; pullet 1st 95½ and 3rd with three at 94½. J. B. Phillips, Colorado Springs, hen tie 2nd 94½, 3rd tie 94; pullet 2nd 95, and 3rd tie with two at 94½; F. D. Pastorius, Colorado Springs, pen 3rd 186⅝; hen tie 2nd 94½ and tie 3rd 94; cockerel 2nd 92½ and 3rd 92½; pullets 4th with two at 94.

Single - Comb White Leghorns — R. L. Scearce, Colorado Springs, pen 1st 188⅞, 2nd 186⅝; cock 1st 93½; hen 1st 94½, 2nd 94 and 3rd 92½; cockerel 1st 94; pullet 1st 96, 2nd 95 and 3rd 94½. This first pen

also won the silver cup for the highest scoring pen in the show, any variety.

Single-Comb Black Leghorns—30 competing—Standard Leghorn Co., pen 1st 186 14-16, 2nd 185⅝; cock 1st 92; hen 1st 94 and 2nd 93; cockerel 1st 92½; pullet 1st 95½, 2nd 95 and 3rd 95. E. D. Frock, the secretary, also exhibited many fine birds of this variety, but they were not in competition for the prizes.

Single-Comb—Buff Leghorns—30 competing—J. W. Brauer, Colorado Springs, pen 1st 181⅞; cock 1st 90; hen 1st 91½; cockerel 2nd 90½; pullet tie 2nd 93. W. I. Kyle, pen 2nd 180¼; cock 2nd 98; hen 2nd 90; pullet 93½, tie 2nd 92. Standard Leghorn Co., cockerel, 1st 91; pullet 3rd 91½.

White Crested Black Polish — W. W. Brownell, Colorado Springs, pen 1st 185; cock 1st 92; hen 1st 94½, 2nd 94 and 3rd 92.

Golden Spangled Hamburgs—W. Davis, Colorado Springs, cock 1st 90½; hen 1st 93 and 2nd 91½.

Silver Spangled Hamburgs — S. P. Barnes, Colorado Springs, cock 1st 90; pullet 2nd 88½.

Buff Cochin Bantams — S. McMillin, cockerel 1st 92; hen 1st 90½ and 2nd 89. H. C. Shimp, pullet 1st 94, 2nd 93¼; and 3rd 93.

White Cochin Bantams—C. E. Smith & Son, cockerel 1st 93; hen 1st 94; pullet 1st 94, 2nd 93½ and 3rd 92½.

Pekin Ducks—H. C. Shimp, 1st old pair 194½ and 1st young pair 192½. Toulouse Geese—F. D. Pastorius 1st, Chas. Feith, 2nd. Pearl Guineas, Chas. Feith, Colorado Springs, 1st and 2nd.

Belgian Hares — 75 competing — A. W. Gilman, Petersburg, Colo., 1st and 2nd buck and 1st and 2nd doe, with imported winners.

There was also a large display of pigeons by Harry B. McGregor of Colorado Springs, which included Fans, Trumpeters, Pouters, Owls ,and Homers.

CENTRAL WISCONSIN SHOW.

The second annual show of the Central Wisconsin Poultry Association was held at Waupaca, Wis., Jan. 24-27, 1899, Judge I. K. Felch officiating. The show was held in the Waupaca opera house, and birds were all cooped singly. A year ago the entries were less than 300. At this show there were between 600 and 700 entries, the Black Langshans leading in number, with Barred Plymouth Rocks a close second, and Light Brahmas next. The first prize cock in Black Langshans was a fine one, scoring 95; (Judge Felch pronounced him as fine a cock as he had seen this season); one Cockerel scoring 95, with several pullets scoring 95½, and one hen, in her fifth year, scoring 95. Judge Shellabarger scored this same hen last year 95, and in comparing both score cards the cuts and outs were both the same. So much for the score card. There were but three White Langshans in the hall, and the winning Barred Plymouth Rocks Judge Felch pronounced the finest from one breeder that he had seen this season. They were of the single mating, the winning cockerel scoring 93. The balance of the Barred Plymouth Rocks were of the double mating and all proved to be too dark, not having the blue barring, so much admired.

The Light Brahmas showed care in mating for best results and were highly recommended by Judge Felch. The Partridge and Buff Cochins were also very fine, and another year will show up much stronger and better, as the breeders took particular pains and paid strict attention to Judge Felch's remarks on their breeding and handling.

The White Plymouth Rocks and White Wyandottes were a small class, but some good birds were shown.

The Golden and Silver Wyandottes were a small and poor class.

In the Leghorn class there were twelve entries of S. C. Browns, some very fine birds, of good size, and had they been a trifle lighter in color would have been superb. They were mostly all too dark, although the first prize cockerel scored 93. The White's were conspicuous for their absence. What has become of these great egg machines? Their breeders made a mistake in not showing, as inquiries were made every day during the show. But one Rose-Comb Brown Leghorn was shown.

In Black Minorcas there were some twenty entries. The winners were fine ones and the awards were properly placed.

The Buff Plymouth Rocks were also some twenty in number, and were of good color, some being short in weight, being

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My **White Wyandottes** are all right and so are my prices. At the Southern Indiana Poultry Show in a class of over 40 birds I won 5 prizes on 7 entries. 1st hen, 2d cock, 2d pen, 3d cockerel and 3d hen. Eggs $2.00 per sitting. Write me.

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BUFF LEGHORN

Cocks, Cockerels or Pullets—evidence of quality, 112 prizes, 14 gold specials, silver cups and medals at Mt. Gretna, Hagerstown, etc. Wonderful birds for exhibition or breeding, cheap. A few Cornish Indians left. Mention A. P. J.

GEO. W. KINZER, New Holland, Pa.

WHITE SILVER WYANDOTTES

Exclusively and PEKIN DUCKS.

Eggs—$1.50 for 13—Low Price, High Grade, Duck eggs $1 for 11; $7 per hundred. Sixty acres free range. First prize Lancashire S. W. cockerel, imported by Butterfield and recommended by him. 25 Wyandottes from Detroit show, 1st S. W. pullet; 2d W. W. cockerel. In splendid shape.

TAYLOR & HILL, RAPID RUN POULTRY FARM, Station F., Cincinnati, Ohio.

Hardy Poultry

Grown in Minnesota that will stand any climate.

Barred Plymouth Rocks, R-c. Brown and White Leghorns, Light Light Brahmas, Mam. Bronze Turkeys, Pekin Ducks.

Breeders and Exhibition Birds.

I give the poultry business my entire attention, guaranteeing satisfaction. Write for catalogue and prices.

A. A. GRAY, Box A. 347, Redwood Falls, Minn.

Suits Everyone.

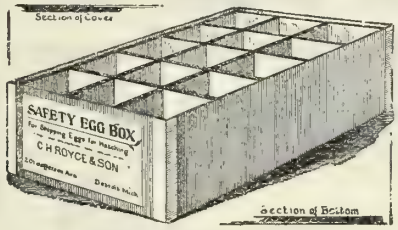
We guarantee the Star incubator to be satisfactory to the purchaser or return money without question.

This Guarantee is Without an Equal.

NO moisture to be supplied. Our **Free Catalogue** tell all about this wonderful machine.

STAR INCUBATOR CO.,
Bound Brook, N. J.

A Trial will convince the most skeptical that our



SAFETY EGG BOX

Is the best package ever devised for shipping eggs for hatching. Box and cover are same depth. Padded with corrugated paper packing, partitions constructed of same material, forming a box strong enough to hold the weight of a man. Each egg is protected by a soft, yielding substance, a safeguard against breakage. Packing and shipping consists simply in placing eggs in compartment, tying and addressing.

PRICE PER DOZEN BOXES, F. O. B., Detroit: 12 egg $1; 15 egg $1.20; 30 egg $2; 40 egg $2,50. Highest testimonials. Circulars cheerfully furnished.

Manufactured by C. H. ROYCE & SON, 201 Jefferson ave., Detroit, Mich.

Parsons Won

at the Great Chicago Joint Show

in Buff Leghorns—2d and 5th pullet; 3d pen, scores to 95.

Also breed Blue Andalusians, Barred and Buff Rocks, Pekin Ducks. Dealer in Poultry Supplies. Stock for sale, $1 up. Eggs, $1.50 and $2 per 15. Send for circular.

B. F. PARSONS, Edwardsburg, Mich.

The BIG CHICAGO SHOW

We won five firsts, two seconds, two thirds and one fifth on our

Barred Rocks and Black Leghorns.

For years they have been the leading winners at Chicago as well as other large shows. We have nothing to give away, or sell at half price, but we have a whole lot of nice birds at reasonable prices and would be pleased to hear your wants.

No Rock eggs for sale this season.

RIVERSIDE POULTRY YARDS, Algonquin, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

BRAHMAS, LIGHT DARK
COCHINS, Buff, Black and Partridge
LANGSHANS, BLACK

Barred White S-c. B. R-c. B. **PLYMOUTH ROCKS LEGHORNS . . .**
CORNISH INDIAN GAMES.

These in the heavier breeds—Grand good ones,
In the pens are also found extra specimens of
Black Minorcas, W. F. Black Spanish, S. S. Hamburgs.

Special For Quick Sale..... I want to sell some fine cockerels: 6 Wh. P. Rock, 2 R-c. B. and 4 S-c. B. Leghorn, 1 S. Wyandotte, 10 B. P. Rock, 3 Black Langshan, 2 Black Minorca, 2 Houdan, 1 Dorking.

RAINEY MILLER, Champaign, Ill.

White Cochin Bantams.

At the Joint Chicago Show, Jan. '99,

with Just Six Entries - I Won Six Prizes.

First hen, score 95½; first pullet, 94½; second pullet 94½; first cockerel 93½; third cockerel 92; fifth cockerel 89¾. Scored by W. S. Russell. A choice lot of cockerels and pullets for sale. All from the first prize breeding pen at the great Boston show, Jan., 1898.

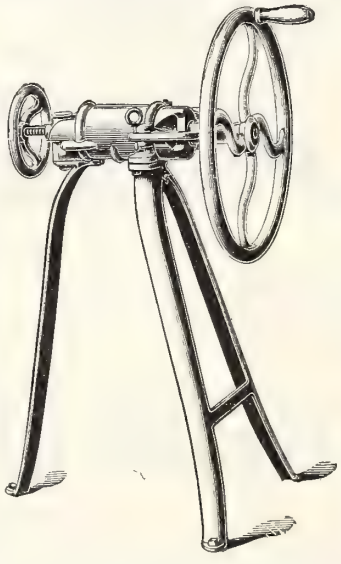
Eggs in Season, $3 per 13.

Write for what you want. Correspondence promptly answered. Address

MRS. WM. CHAMINGS, Forrest, Ill.

The Adam Green Bone Cutter

(Formerly the Premier)



is the only green bone cutter made that is equipped with ball bearings.

That is one of the reasons why it is easier to operate than all others. Another reason is that the knives work on the shear plate principle. They **REALLY CUT** the bone; they don't gouge it off in chunks. Cuts all kinds of GREEN and DRY BONE, HARD, SOFT, FLESHY, etc., and *Never Chokes.*

It Needs No Cleaning. It Cleans Itself.

Our free circular tells all about it. Don't buy a bone cutter until you see them.

W. J. ADAM, Joliet, Illinois.

Buff P. Rocks, Sing'e and Rose-comb Buff Leghorns; my own "ORANGE STRAIN" exhibition and breeding birds now for sale at right prices. Write,
L. B. HANNA, Columbus City, Iowa.

late hatched; but nevertheless will make grand breeders.

In Dark Brahmas there was but one pair. The pullet was a splendid bird. There was also a very fine string of Red Caps. The Houdans were a good class.

In entries and financially the Waupaca show was a success, all exhibitors were well pleased by the hospitality shown them by the officers, and all spoke highly of the veteran I. K. Felch. Friday evening the hall was cleared of all coops and a concert was given by home talent, which, by the way, was excellent, for the benefit of visiting fanciers, followed by a dancing party. "BADGER."

SOUTH BEND SHOW.

The South Bend, Ind., show was well attended. There were no awards in Barred Rock class. The White Rocks scored up well, with a hen at 94½ and pullet at 94. The Buffs were good, ranging up to 93. The Wyandottes were only fair. The Light Brahmas did not call for high scores, but the Black Langshans, for cockerel and pullet, won at 95¼ each. The Leghorns were a numerous class, going up to 94¼ on pullet and 93¼ on cockerel, in S-c. Browns. The Buff Leghorns claimed attention, having young stock at 94½.

The Buff Cochin Bantam class gave winnings to Fred F. Willis, of South Bend, on uniform scores of 93 and 92½.

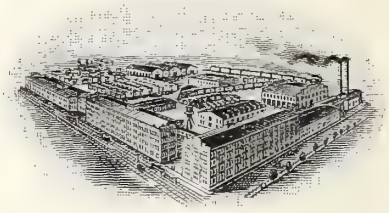
Seeds, plants and flowers are splendidly and intelligently shown and described in the 1899 edition of "Gardening Illustrated," by Vaughan's Seed Store, Chicago, Ill. This house has been long and favorably known to our readers in all matters pertaining to horticulture. They are worthy of every confidence. The book, 112 pages, a mirror of American horticulture, will be mailed to any of our readers for 4 cents postage.

H. W. Boles, of Utica, N. Y., a successful breeder of the Buff Wyandotte, joins the A. P. J. advertisers. Look up his card; his goods seem to be "the kind you want."

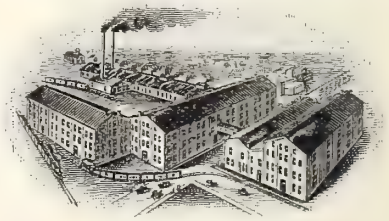
A GREAT CARRIAGE CONCERN.

Works of the Elkhart Carriage and Harness Manufacturing Company, Elkhart, Ind.

The business methods of the Elkhart Carriage and Harness Manufacturing Company have built up an immense business during the last 25 years, requiring the large factories shown in the accompanying illustrations.



The method of selling carriages, wagons and harnesses directly to the users at factory prices, saves a great deal of the cost of the article, and by doing a strictly cash or C. O. D. business the concern is not obliged to overcharge one customer to make up losses on another one. The liberal plan of the company includes shipment of goods anywhere for examination, and



if they should be unsatisfactory in any way they are returned and the company pays the freight both ways. The illustrated catalogue which they send free is up-to-date, and the prices are remarkably low. The company has an enviable reputation for liberal dealing and reliability.

POULTRY CUTS at CUT PRICES. CATALOGUE FREE. Harper Eng. Co., Columbus, O.

Peerless Leg Bands.
Poultry Printing.
Rubber Stamps.

Circulars and sample leg band free. Get my prices on *up-to-date* printing and rubber stamps. "Peerless" Leg Bands *stay on* and *stay bright.* They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed.

B. F. Huntington, Platteville, Wis.

POULTRY SUPPLIES

Mica Crystal Grit, - - - Per 100 lbs. $ .75
Crushed Oyster Shell, Per 100 lb. bag, .75
Ground Bone, - - - Per 100 lb. bag, 2.00
Pike's Lice Destroyer, per gallon, - - .75

We make lower prices for large quantities
Send for Descriptive Circulars.

SHIP US YOUR.. **POULTRY AND EGGS**
SPRAGUE COMMISSION CO.,
218 South Water St. Chicago, Ill.

AN INCUBATOR

Free.

Full information how to obtain a 200-egg

Reliable, Prairie State or Successful Incubator Free

Will be found in the March issue of

Western Garden and Poultry Journal
of Des Moines, Iowa.

A sample copy will be sent for the asking 3-1

B. B. RED GAMES and GAME BANTAMS.

With 25 years' experience we breed and sell birds that win. We also breed the best quality of Pit Games.

E. R. SPAULDING,
JAFFREY N. H.

FOR 14 CENTS

We wish to gain this year 200,000 new customers, and hence offer

1	Pkg. 13 Day Radish,	10c
1	Pkg. Early Ripe Cabbage,	10c
1	" Earliest Red Beet,	10c
1	" Long Lightn'g Cucumber	10c
1	" Salzer's Best Lettuce,	15c
1	" California Fig Tomato,	20c
1	" Early Dinner Onion,	10c
3	" Brilliant Flower Seeds,	15c
Worth $1.00, for 14 cents.		$1.00

Above 10 pkgs. worth $1.00, we will mail you free, together with our great Plant and Seed Catalogue upon receipt of this **notice** & **14c** postage. We invite your trade and know when you once try **Salzer's seeds** you will never get along without them. **Onion Seed 65c.** and up a lb. **Potatoes at $1.20 a Bbl.** Catalog alone 5c. No. 38

JOHN A. SALZER SEED CO., LA CROSSE, WIS.

TO AVERT CONTAGION.

To prevent contagion, we should isolate every sick bird as soon as discovered. All new birds should be subjected to at least ten days' quarantine before being permitted to run with the flock, and if suspected of being diseased, should not be allowed to be with other birds until you are positive that disease is not present. Sick birds that have recovered should not be returned to the flock until it is absolutely certain that they are cured. Never go direct from handling sick fowls to the quarters of the well ones. Do not allow your neighbors' birds to run with your own. Do not go direct from your neighbors' henneries to your own; and last, but not least, never keep sick birds in the same room where the food for other fowls is kept.—Dr. Woods.

MASCOTTE INCUBATOR.

The Mascotte Incubator Co., of Bedford, O., reports a splendid business. The factory can scarcely keep up with

the orders. The Mascotte is a hot-water machine, finished in the highest style. Write for a new catalogue and mention A. P. J.

MODERN MEASURES OF FARM ECONOMY.

The old maxim that "a dollar saved is a dollar earned" is no less true today than when it was first uttered. Take the matter of farm fencing, for instance. Granting that the time is past when timber or lumber of any kind can be profitably employed in fences, and that the period of modern woven wire fencing is here to remain permanently, the only problem confronting the farmer is the selection of the fence he shall use. There are numerous good fences on the market, and in the main there is no material difference in the price. If, however, you can build an equally good or better fence than any of them yourself, and can save money in the operation, why not do so? There are reliable machines for building fence by hand at less than half the cost for the manufactured article. Why not use one of these and save that 50 per cent? This is where our original proposition applies. A very good machine of this class is the Duplex Automatic Fence Machine, manufactured by Kitselman Bros., at Ridgeville, Ind. Write them for circulars, prices, etc., and look into this matter. It may be the means of saving you much money.

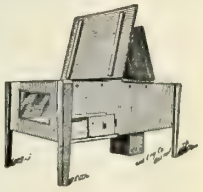
Cornish Indians, Exclusively.

Five years a breeder of the best ckls, with score cards by Heimlich 91½-93, $2.50 to $5. Eggs in season. Write your wants.
H. S. MARKS, Box 540, Lanark, Ill.

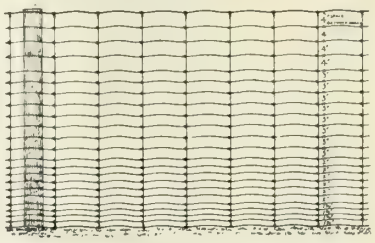
Buff Cochins. ‡ ‡
of the English Type.

Five grand matings. Eggs put down to $2 per 13. 26 years of breeding and mating of Buff Cochins have gave me some knowledge of how to mate to produce good stock. I have no 100-point birds to advertise, but do raise winners and so do my customers. No circular.
ALEX BICKET,
Expert Poultry Judge, Tilden, Randolph Co., Ill.

THE OLD HOMESTEAD BROODER



will care for 100 chicks until they are old enough to go to the roost; the simplest, cheapest and best Brooder made. Circular free. L. BROWN,
Sturbridge, Mass.



Don't Do a Thing

until you write us and ask all about Page Poultry Fence. No, it is not a light wire netting. It is a fence, heavy, strong and closely woven. All styles of farm fence constantly on hand.

Page Woven Wire Fenco Co., Adrian, Mich.

CHICK MANNA

Makes a certainty of growing chicks. If you feed it according to directions you can

RAISE EVERY CHICK YOU HATCH.

It Makes 'em Grow

because it regulates the bowels, promotes good health, begets strong constitution and produces rapid development. Fully endorsed by the thousands who use it. You will be its friend after one brief trial.

Price of Chick Manna { 1 lb. package 10c; by mail 25c. 5 lb. package 40c. 60 lb. case, bulk, $4.20.

Liberal discount to dealers on case lots.

POULTRY SUPPLIES

of every kind and for all conditions and requirements in our illustrated special catalogue. ***Mailed free to any address.***

Johnson & Stokes, 217 and 219 Market St. PHILADELPHIA, PA.

POULTRY SUPPLIES

MAKE A HEN COMFORTABLE AND SHE PAYS.

We carry a full line of everything needful in the poultry yard and hen house. All **improved foods, grits, insecticides, medicines, &c.** All improved appliances.—**Incubators, Bone Cutters, Clover Cutters, Vegetable Cutters, Drinking Fountains, &c.**

CUT CLOVER HAY

the great winter food, made from best second crop clover, all ready to feed, $1.75 per 100 lb. sack. Write for what you want. We have it. Large Catalogue **Free.**

HARVEY SEED CO.,
30 Ellicott St., Buffalo, N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

SEED DUE BILL FREE

To get new customers to test my seeds I will mail my handsome **catalogue for 1899,** lithographed and beautifully illustrated, and a **10c. Due Bill,** good for 10c. worth of seeds for trial, **absolutely free.** It is full of bargains. All the **Best Seeds, Bulbs, Plants, Roses, new Fruits, Farm Seeds, Potatoes, etc.,** at lowest prices. **Ten Great Novelties** offered without names. I will pay **$50. FOR A NAME** for each. Don't buy your stock until you see this new catalogue. Several varieties shown in colors. Great inducements for orders this year. **You will be surprised** at my bargain offers. Send your address on Postal to-day. Tell your friends to send too. Old customers will receive a copy.
F. B. MILLS, Seedsman, Box 59, Rose Hill, N.Y.

EGGS: $1.00 Sitting.

20 varieties of thoroughbred poultry.
PEKIN DUCKS.
Satisfaction guaranteed.
WILLARD MERRIAM, Kansas City, Kas.

23 Years a Breeder of BARRED ROCKS.

Have won every winter on birds of my own breeding. 500 choice chicks now ready to sell. Circular free. Mention American Poultry Journal.
JOE FARMER,
Flushing, Belmont Co., Ohio.

Mention this paper.

EVERGREENS

100, 6 to 8 in. $1; 12 to 18 in. $2.50. 100, 2 ft. $10 prepaid. 100, 4 to 6 ft. 5 varieties, **$15.** 45 choice Fruit trees, 20 varieties, $10. **Ornamental & Fruit Trees.** Catalogue and prices of 50 great bargain lots **SENT FREE.** ☞ **Good Local Agents Wanted.**
D. HILL, Evergreen Specialist, **Dundee, Ill.**

Ouachita Valley Poultry Farm.

LARGEST IN THE SOUTH.

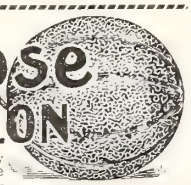
We have beyond any doubt the grandest lot of young birds ever raised for exhibition and breeding purposes. We never fail to win in the show room, winning last season over 287 prizes on our specialties.

Light Brahmas, C. I. Games,
Barred Plymouth Rocks,
Wild & Bronze Turkeys,
Buff Cochins, S. L. Wyandottes,
Brownie Pit Games,
Pekin Ducks.

Just a trial order will convince any one as to our square dealing and the high quality of our stock. Guaranteed to please. Eggs $3. Stock from $2 up.
G. W. BROWN, Prop.,
Camden, Ark.

Send for a sample copy of the Cotton Belt Journal.

THE Paul Rose MUSKMELON



All that we said of this now famous muskmelon was more than true. The most profitable and best melon for home or shipping since we first introduced Morrill's Osage.

VAUGHAN'S VEGETABLE SEEDS are grown for Market Gardeners and others who garden for profit as well as for pleasure.

Our 1899 Catalogue is a mirror of American Horticulture. It **tells the whole story** for the Garden, Lawn and Farm. **The best Flower Seeds in America.**

CUT OUT THIS ADV. and send to us with 4c in stamps and we mail **free** catalogue with 1 packet each of Paul Rose and new Rocky Ford Muskmelons.

A BARGAIN! HERE IS THE OFFER:
Six Most Popular Flowers.

1 pkt Sweet Peas, 25 kinds **1 pkt Mignonette, Giant**
1 pkt Giant Pansy, 12 kinds **1 pkt Morning Glory, Giant**
1 pkt Nasturtium, Mad. Gunther **1 pkt Cosmos, New Early**

Cut out this adv. and mail us with four 2c stamps and we will send prepaid above six kinds, with catalogue.

Vaughan's Seed Store,
NEW YORK, 14 Barclay St. CHICAGO, 84-86 Randolph St.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

NOTICE OF TRANSFER STOCK.

This is to certify that I have sold to A. H. Morgan, 5410 Chicago avenue, Austin, Ill., the S.-c. Brown Leghorns on which I won as follows: 2nd cockerel, 3rd pullet, two 5th pullets, at Chicago, '99; 1st pullet at West Liberty, Iowa. Mr. Morgan is starting right and I wish him much success.

C. A. DAMON.

Chicago, Feb. 15, '99.

ZERO CHICKS.

To the Editor:—A friend of ours, living twelve miles from here, offered to let us put a few of our Langshan eggs in his incubator. We accepted his offer and on Feb. 9th, when the thermometer registered 24 below zero, he hatched out 15 chicks for us. The following Saturday, with the temperature four below zero, he put them in a paper box with a heated soapstone, all nicely wrapped in a blanket, and brought them to us. We were not expecting them and were not prepared with a brooder. However, we obtained three cracker boxes from the grocery store, a little piece of sheet iron from the hardware store, and with the help of our father constructed a very comfortable brooder, at a total cost of 15 cents. Our little chicks are very happy and we have no trouble in keeping them warm with a common kerosene lamp. How is that for zero chicks?

STRUTHERS SISTERS.

Princeton, Ill., Feb. 15, 1899.

BUFF ROCKS AT BOSTON.

At the recent Boston show the class of Buff Plymouth Rocks was one of the largest in the show and the competition was sharp. "Gold Leaf," the first prize cockerel, owned by A. C. Hawkins, Lancaster, Mass., was the gem of the class. He was ideal Plymouth Rock form and an even rich buff from tip to tip. Mr. Hawkins won 1st, 4th and 5th cockerels; 2nd and 4th pullets; 1st, 3rd and 5th hens, and 2nd cock. They were a grand lot and go to show what careful selection and mating will do in a new breed. Mr. Hawkins, we will say for the benefit of the host of new subscribers, is one of the oldest and most extensive breeders of fine poultry in the United States. His farm is noted throughout poultrydom.

EVIDENCES OF BUSINESS.

To the Editor:—A. P. J. is a good paying paper for advertisers. It is more than holding its own. I have two fine pens of Barred Plymouth Rocks. My male birds are extra nice. I do not favor extreme matings. I get more good Rocks from the single than the double matings. The Barred Rocks are the most popular birds raised now and if they are brought nearer together by right mating, will remain so. It does not pay to raise 100 birds to get 20 or 25 good ones, as by the double mating. I am glad to see this discussion of under color. An extra good slate under color must come from a little darker color than some are using. E. F. PEIRCE.

Catawba Island, O.

LANGSHAN CLUB.

Langshan breeders in the State of Illinois, not members of the "American Langhan Club," are requested to send their names and addresses to the undersigned and they will receive by mail a pamphlet giving the rules of the club, a list of members and its objects and advantages. Address, the vice-president for Illinois, W. W. Hogle, Evanston, Ill.

CATALOGUE VALUE.

The average catalogue being sent out nowadays does not contain very much of real value beyond direct application to the ware it represents. There are, however, we are glad to say, notable exceptions to this rule. There are catalogues which are brimful of valuable information from cover to cover. One such catalogue is that of our regular advertising patron, John Bauscher, Jr., of Freeport, Ill. This gentleman's Poultry Guide and Catalogue tells many things that are of greatest interest to the individual whether he is engaged in the poultry business or otherwise. It would seem almost indispensable to the beginner in the poultry business because of the amount of information it contains touching that industry, drawn directly from the rich experience of its publisher. It is a handsomely and profusely illustrated volume of some 100 pages, and will be mailed postpaid to any of our readers for 15 cents in stamps or silver.

A POPULAR POULTRY PLANT.

One of the popular poultry plants that has become famous for breeding "Prize Winners" is the plant of Geo. W. Kinzer, New Holland, Pa., where two standard breeds, the Buff Leghorns and Cornish Indian Games, are bred by the thousand. Last season at this plant fully 1100 thoroughbred fowls were reared, and from this source birds have been shipped to all parts of this country and Canada, to carry off the blue ribbons. Mr. Kinzer himself made an excellent record at our best shows, always getting his share and more too of the prizes. Since August, 1897, commencing with Mt. Gretna, he has exhibited as follows: Carlisle, Hagerstown, Coatesville, Westchester, Wilkes Barre, St. Louis, Mo., Washington, D. C., Elmira, N. Y., Boston and winding up at Madison Square Garden, New York, with a grand total unequalled—134 entries; won 147 prizes, including 16 specials, cups and medals;; 45 firsts, 33 seconds, 29 thirds, 22 fourths, 1 fifth. His birds have never failed to win the blue in any show. A complete list and TWENTY—Poultry Mon . TAYLOR fine illustrated catalogue will be sent to A. P. J. readers for their name and address.

CORRECTION.

In Feb. A. P. J., Jos. P. Dehner, of Lincoln, Ill., was credited with raising Buff Rocks. This is an error we wish to correct, as Mr. Dehner is a breeder of Buff Cochins only, and has won high scores and prizes on his birds.

CYPHERS INCUBATOR.

The Cyphers Incubators and Brooders are coming more prominently to the front this year than ever before. They are already in exclusive use on most of the leading plants in America, besides which, many heavy foreign shipments have been made this winter. In every poultry show and fair where the Cyphers has been exhibited this season, it has been awarded first prize, except where no prizes were awarded to any incubators. The display made by The Cyphers Company at the Madison Square Garden Poultry show in New York last month was conceded by all to be the finest thing of its kind ever done there. Prospective purchasers of incubators and brooders will do well to send to The Cyphers Incubator Co., Wayland, N. Y., for their handsome catalogue and magazine of poultry culture, which will be mailed to any address on receipt of ten cents. This book contains 136 pages and is handsome and most instructive.

FIREPROOF INCUBATOR.

The Illinois Fireproof Incubator is made by J. H. Jones, Streator, Ill. There is sometimes trouble with kerosene lamps that burn continuously.

Mr. Jones has obviated this danger. His machine is well made, of the hot-air type, and complete in all its points. Write for circulars and name A. P. J.

NATIONAL BANTAM ASSOCIATION.

The sixth annual meeting of the National Bantam Association was held at New York February 3, 1899. President Williams presided.

An annual exhibition was decided upon. The dues remain at $1 a year. Fifteen new members were elected, making a total of 76.

The question of "faking" Bantams was discussed. After a heated debate, the association expressed itself opposed to the practice of faking and pledged itself to demand justice on all who tried to practice the evil. The old officers were re-elected. E. Latham is secretary.

8 Prizes at Chicago. B. P. Rocks, E. B. Thompson strain, that will not disappoint you. Eggs $2 per 15. 2d pullet at Chicago, '97, in this pen, others scoring 92 to 93½. S-c. White Leghorns—Wyckoff and Knapp. America's best layers. Eggs $1.50 per 15. B. B. Red Game Bantams—1st hen Chicago, '98, in this pen. Eggs $2 per 15. B. P. Rock incubator eggs $4 per 100. A few B. P. Rock cockerels, $2 up.
A. CHILCOTT, Homewood, Ill.

BUFF WYANDOTTES—EXCLUSIVELY.—Write for descriptive cir., price list and show record.
ARLINGTON POULTRY FARM,
M. F. NORRIS, Proprietor. Eggs, $3 per 13. LEXINGTON, KY.

FOR SALE, BUFF P. Rocks, Leghorns and Wyandottes.
Also a fine lot of White P. Rocks, Single-comb White and Brown Leghorns and White Wyandottes at $1 and $2 each. Will please you or birds may be returned at my expense. Address
WALTER COX, 64 Grand ave., Washington, N. J.

At the Chicago Show.

In 1899 I won 41 prizes, including the $75 Illinois State Silver Cup for the largest and best display of Land and Water Fowls.
In 1898 I won 39 prizes; also the $10 Special on the highest scoring exhibit. In 1897 I won 41 prizes, including the Grand Special on the largest and highest scoring exhibit at the show.
For the coming season I have mated 6 pens of Barred Plymouth Rocks, both Cockerel and pullet matings; each pen headed by a high scoring Cockerel. 3 pens White Plymouth Rocks. 2 pens Buff Plymouth Rocks, Silver Laced, Golden, Buff and White Wyandottes, Light and Dark Brahmas, Buff and Patridge Cochins, Black Langshans, Houdans, B. Minorcas, Black and White Polish, Buff and White Cochin Bantams, M. B. Turkeys, Toulouse Geese.
Satisfaction guaranteed. Write for Catalogue.
J. I. DeLANCEY, Elgin, Ill.

Valleyview Farm.

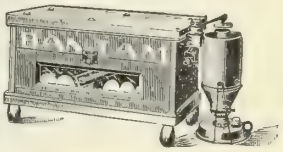
Buff Leghorns are "Champions of the East."
Having defeated all who met me at New York, in response to my challenge. Besides this I have won 1st on pen at New York in '97, '98 and '99. besides many other 1st, 2nd and special prizes, including the "American Leghorn Club" Cup for best exhibit.

White Leghorns
Have again won a great victory at New York; 1st on pen, 1st on cock and 1st on cockerel and the "Am. Leghorn Club" Cup for best exhibit.
Send for Catalogue. **EZRA CORNELL, Ithaca, N. Y.**

Light Brahmas,
EXCLUSIVELY.

MATINGS '99—Pen No. 1. Son 1st prize ckl. Washington, D. C.; fine comb, hackle; pure white back, good toe feathering, black wings Weight 10 lbs. Mates, 6 hens and pullets, scoring 93 to 94½. Eggs $3 for 13; $5 for 26.
Pen No. 2. Half brother to ckl. in pen No. 1. Not as good in wing, comb nor color of back. Weight 11 lbs. Mates, 8 pullets, scoring 91 to 93. Eggs $2 per 13 straight.
Some Nice Cockerels For Sale.
REV. W. H. HORMEL, Rutledge, Mo.

50-Egg Size $5
One Million Testimonials are not so convincing as the **30 Days Trial Free**
We offer on every incubator we make. No matter how cheap. No regulator has ever approached in efficiency our Patent Pneumatic Regulator with which over heating is impossible. You may have chicks hatching every day in the week, with our Compartment Incubator. Among hundreds of others Mrs. M. T. Duval, Old Church, Va., never before saw an incubator, yet with our Bantam hatched 50 chicks from 57 eggs. You can do as well. Send 4 cents for No. 2 Catalogue.
BUCKEYE INCUBATOR CO., Springfield, Ohio.



100 Per Cent. Hatched.
In a recent hatching contest in which there were over 400 trials the hatch was 100 per cent. in 19 cases with
PETALUMA INCUBATORS.
This machine has been demonstrated to be as near absolute perfection as can be attained. The regulation of heat, air and moisture have been proven perfect. See our new egg tray and other improvements. We pay freight anywhere in the U. S, FREE catalog.
PETALUMA INCUBATOR CO.
Box 222, Petaluma, Cal.
F.B.W.Co.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

A SMALL POULTRY FARM is better than a gold mine, if you know how to run the business. "Poultry and Pigeon Raising" and "How to Make it Pay" will tell you how to do it. Only 25 cents. Address Edwin W. Fly, Manager Clear View Farm, Chalfont, Pa. 3-3

12 YEARS breeding S-c. Brown Leghorns. If you want to win in the show room and have the best layers on earth send me an order for eggs at $1 25 for 15, or 30 for $2. Stock at a bargain. Send for circular.
C. F. LANG, LaCrosse, Wis.

BUFF COCHINS,
(Oakland Farm Strain).
Plymouth Rocks,
(I. K. Felch Strain).
Prize winners now for sale. Stock mated to get exhibition birds. If you want satisfaction try me. Eggs $2 per 13. Write to-day to **HORACE R. BURT, Austin, Texas.**

D. F. TAYLOR,
"The White Rock Man."
Thirteen years a breeder of "The Empire Strain" of White Plymouth Rocks and White Wyandottes, the two best utility fowls. Winning more firsts and specials on these two varities than any breeder. Quality regulates prices. Show birds a specialty. No circulars. Eggs, $2 per 13; $5 to $8 per 100, according to season.
D. F. TAYLOR, DeRuyter, N. Y.

White Plymouth Rocks,
EXCLUSIVELY.

They are extra large
and extremely white,
And as to shape
They are out of sight.

Don't think for a moment
That this is a bluff
For the judges say
We have got the stuff.

My old cock bird
Is simply a caution,
Ten pounds and a half
With a score in proportion.

At the big state show
And at Wichita, too,
See how we carried
Off the Ribbons Blue.

Don't be a dunce,
But try us once,
And what we'll do,
Will tickle you.

At Wichita, Dec. '98:

1st and 3d cockerel,
1st and 3d pullet,
1st cock and 1st pen.

At Topeka State Show, Jan. '99:

1st pullet, score 95¼,
2d pullet, score 95¼,
3d pullet, score 95,
2d cock and 2d pen.

No hens exhibited.

They are the finest you ever saw.

Eggs from prize winners $2.50 per 15.

Write me.

Dr. W. E. BARTLETT,
Belle Plaine, Kans.

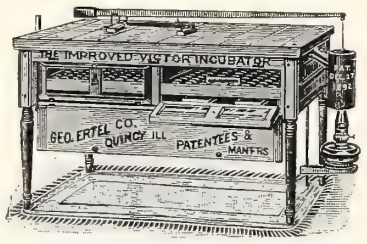
Cornish Indians
Exlusively.
L. B. RICHARDSON,
Importer, Breeder, Exhibitor.
Just in from the farm, finest lot of youngsters I ever bred. Direct descendents of famous cock, "John," whose sire was Frayn's Crystal Palace winner.
Exhibition birds and breeders. Prices reasonable, according to fancy points. New importations coming.
L. B. RICHARDSON,
87-89 Washington st.,
CHICAGO, ILL.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

HATCHING MADE EASY.

Chicken raising by incubator and brooder is still a fascinating pursuit, either when carried on for amusement or strictly for profit. The home market for poultry is still crying for more and better supplies, and new poultry enterprises are starting daily, and the older established yards are considering ways and means of supplying the constantly increasing demand.

For the poultry man who works for pleasure or for profit there are many entertaining and suggestive facts contained in the annual catalogue of the George Ertel Company, of Quincy, Ill.



Its descriptions and illustrations, backed by the strongest kind of endorsements from practical poultry men, are convincing arguments in favor of the Ertel Improved Victor Incubator and the Improved Victor Brooder. In the Improved Victor Incubator the devices for supplying ventilation, heat and moisture, are so simple that the machine practically runs itself, requiring only a few moments' attention morning and evening.

Persons who are unfamiliar with the George Ertel Company can rest assured of fair, courteous and honorable treatment in dealing with them.

IMPROVED OLENTANGY.

The Olentangy Incubator is advertised in our columns by Geo. S. Singer, Cardington, O. The Olentangy Incubators and Brooders are well made and finely finished; they are not cumbersome, being very compact, extremely simple, easily understood and cared for, safe and durable; they possess many advantages, such as economy in oil; the turning of eggs; ventilation and moisture. It need simply to be said that these incubators and brooders fill every requirement for the purpose they are intended. The advantage of this machine over the old of hatching and raising chicks, turkeys and ducks are too manifold to mention. The chicks come into the world strong and healthy and are free from lice, that pest which kills so many of the young chicks when hatched with hens. In rearing them the Olentangy brooder does the work to perfection and cares for 100 chicks with less trouble than you could care for one hen. For further particulars send 4 cents in stamps for catalogue. George S. Singer, Cardington, Ohio.

PRIZES WON BY ELMWOOD FARM.

The following prizes have been won by our Cochins and Cochin Bantams at four of the leading exhibitions held this winter:

At Winchester, Chester County, Pa., we entered eleven Bantams, winning six first and five smaller awards. At the great National Show, held at Washington, D. C., we entered ten Cochin fowls, winning second and third on Buff Cochin cock birds, fourth on hen, third on cockerel, first and second cockerel. Partridge Cochin, third hen and fourth pullet on same. At the great Boston Show we entered eight Partridge Cochin Bantams, winning four firsts, four seconds and six specials on them. At New York, four firsts, four seconds on Partridge Cochin Bantams, second on Light Brahma hen; fifth pullet; first Dark Brahma Bantam hen; also five specials on the exhibit. On forty-four entries made at these four shows we have won sixteen first and twenty-five smaller awards; also eleven special prizes, every entry but two having won a prize for us. T. F. McGrew, 1267 Broadway, Room 7, New York City.

THE $5 CHAMPION BROODER.

To be successful a brooder must conform to natural laws. The $5 Champion Brooder does this. The sales last year were three times as great as the year previous. There is no other like it on the market. It has been indorsed by breeders throughout the country. The construction of the case of the $5.00 Champion Brooder is planned after a system of the most careful and successful experiments to ascertain the best possible form and material to use. The case is so constructed that the brooder can be used either indoors or outdoors, one way equally as well as the other. It is well made, strong and durable, to withstand years of hard usage. The material used is one inch pine lumber, tongued and grooved and planed on both sides. The corners are "halved" or rabbeted, glued and nailed both ways, making it the strongest brooder on the market. The interior arrangement is one of the triumphs of the $5.00 Champion Brooder. There are two separate compartments. The back is the hover or heating chamber; the front, separated from the hover by a depending partition, is the cooling or exercising and feeding chamber. By this arrangement all danger of overheating is done away with. If the hover gets too hot the chicks can move into the cooling chamber, and being inside the brooder there is no danger of taking cold. This is the reason why chicks raised in the Champion Brooder never have leg weakness or bowel trouble. The heat is diffused uniformly in all parts of the brooder, keeping the sides and ends equally warm. Send for further particulars to J. A. Bennett & Sons, Gouverneur, N. Y.

A. HEIMBERGER'S LANGSHANS.

The cup won by A. Heimberger, of New Albany, Ind., at the recent show in that city by the Southern Indiana Association, is one of the two silver trophies gained by him in a fortnight. The other cup was won at Louisville. Both are on highest scoring pen, all varieties competing. His seconds on Black Langshan pens were 191 and 189 3-8. Mr. Heimberger is Indiana vice-president of the American Langshan Club. His stock is superb.

EXERCISE AND CONFINEMENT.

Exercise is all important for growing chicks. To do well, mature well, and make the best of their growing up, says Dr. Woods, they should have free range. Farm range will do much to allow a chick to outgrow any evil tendencies which it may have inherited. The range would give them the freedom of grass land, where they can get plenty of fresh green food, worms and insects. Fowls must exercise, or they will become fat. Fat and flesh are not the same. Some fat is essential to health, but a fat fowl is never a healthy one. Exercise burns the surplus fat, and turns the food into the proper channels, and we get our results in a healthier fowl that gives due attention to filling the egg basket, or to fertilizing eggs,—according to the habit with which nature supplied it. As sluggishness begets laziness, so exercise begets activity; and activity means health and performance of normal functions.

Old fowls do better in semi-confinement than on range. Let them have comfortable houses and good sized runs. If possible have an open front scratching shed where they can have open air exercise the year round. Have plenty of litter, deep enough to keep them scratching, and be sure that they can always find a grain by scratching for it, lest they become disgusted from digging in the litter and finding nothing.

For litter use unthreshed grain if obtainable at low cost. If it is not available, tangled straw thrown into the pen just as it is taken from the bale, swale hay and dry leaves, make good litter. Let the fowls have plenty of open air exercise, and you will not find them susceptible to colds from sudden changes in the weather.

CARE OF HOUSES.

Poultry houses should be thoroughly renovated once, better twice a year. If you wish, brighten the walls by a thorough application of good hot whitewash to which a little carbolic acid has been added. Iy you don't like whitewash, use some good wood preservative, and paint the whole interior of the house with it. If you have earthen or sand floors, which are the best, dig them up and cart off the upper four inches of dirt, and replace with new fresh earth or sand. If you have wood or cement floors, cleanse them thoroughly, and whitewash or mop them over with some cheap non-poisonous disinfectant. Then cover them when dry with a few inches of sand or earth.—Dr. Woods.

Many people unthinkingly say, says M. H. Arnold in Poultry Monthly, that common stock is healthier than pure breeds, and state it is because of a great mixture of blood. Common stock, as a rule, receive common-sense care. They are in the hands of people of experience. The amateur starts with pure breeds, and the lack of satisfactory results is almost invariably blamed on the breed. If common stock suffered2 the abuse pure-bred stock does, we would hear less of their hardiness.

1885 —IF YOU WANT THE BEST— 1899

Bronze Turkeys, Barred P. Rocks, White Wyandottes, Buff P. Bantams and Embden Geese, write me for prices. I also breed prize-winning Oxford-Down Sheep. Mention A. P. J.

W. N. SMITH, Ohio, Ill.

High Class BLACK LANGSHANS Prize Winners

Large, fine shaped, beautifully colored exhibition birds and breeders for sale.

STRUTHERS SISTERS, PRINCETON, ILL.

Winners.

Our birds won the best prizes wherever shown during the past winter and the superior matings in our breeding yards this season have produced stock that can and will win at the coming winter shows and fall fairs. Do you want such stock? LARGEST POULTRY PLANT in Ohio. This country's best Turkeys, Geese, Ducks, Chickens, Guineas, Peafowl, etc., etc., etc. Address

CHAS. McCLAVE, 416 Ashland st., New London, Ohio.

BARRED PLYMOUTH ROCKS, Bradley Bros., E. B. Thompson, J. H. Thompson and A. C. Hawkins strains.

SINGLE-COMB BROWN LEGHORNS, Forsyth, Howell and Bright strains.

SINGLE-COMB WHITE LEGHORNS, Klapp Bros. strain.

I have a grand lot of youngsters for sale. Also some of last season's breeders, bath males and females. I you want a fine male, pair or pen, write me. I guarantee satisfaction.

Box 100. GEORGE H. BIE, Station A, Racine, Wis.

1000 Selected Birds.

BARRED & WHITE PLYMOUTH ROCKS,

Brown and White Leghorns,

LIGHT BRAHMAS, TOULOUSE GEESE,

PEKIN DUCKS, ROUEN DUCKS.

All farm-raised. Big fellows. Satisfaction guaranteed.

W. A. HOYT, Whitewater, Wis. Meadow Glen Poultry Yards.

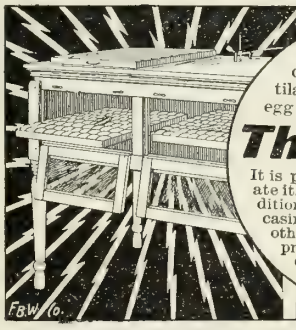
The Cedar Rapids Grit—The Grit that Grinds.

Everyone that tries CEDAR RAPIDS GRIT is a patron for life, surpassed by none in sharp cutting edges. Put up in four sizes and approved by best fanciers.

INTRODUCTORY PRICE, two 100 pound sacks, any size or sizes, for $1.50.

This Offer for This Month Only.

THE CEDAR RAPIDS GRIT COMPANY, - - Cedar Rapids, Iowa.



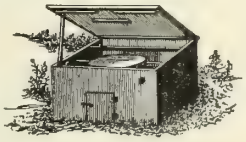
If you desire an incubator which excels in all those details essential to success in the hatching of chicks; the proper application of heat; perfect ventilation; complete control of moisture; large and roomy egg chambers and a large and roomy nursery for chicks, buy

The Illinois Incubator

It is positively self-regulating and so simple that a child may operate it. Absolutely impervious to extremes of heat or cold. in addition to being packed with asbestos it has a complete outside casing of metal. *Fire Proof*—can't catch from the lamp or other causes. Cheapest to run and lasts the longest. The price is an honest one. Indoor and Outdoor Brooders. Get our free book, "Illinois" before you buy.

ILLINOIS INCUBATOR AND BROODER CO.
Box 55, Streator, Illinois.

Clover Meal--$5 Prize Brooders



Clover Meal will insure the egg yield in winter; it will insure more and stronger fertilized eggs; it will keep the hens in good health and vigor; it is equally as good for newly hatched chicks as it is for matured hens; it will add to the luster of the plumage; it will assist in putting those choice birds in the pink of condition for exhibition, and it is especially good for moulting hens. Clover Meal is a boon to the poultryman, and is endorsed by all who give it a trial. Clover Meal is far superior to cut clover, from the fact there is no waste, and every particle is rendered digestible, as there are no whole stems or heads as is the case with cut clover; and where poultrymen are obliged to buy green food, Clover Meal will be found to come nearest to the summer runs of any article on the market.

We have the advantage over our competitors and can save our customers from $2 to $4 a ton freight and from two to four days in getting their Clover Meal. Our mill is at Jordan, N. Y., 17 miles west of Syracuse, on the New York Central and the West Shore railroads and Erie Canal.

Price of Clover Meal $2 per 100 lbs.

Put up in 50 and 100 pound sacks. Send for sample and free catalogue. We also manufacture the

Famous $5 Prize Brooder.

It stands without an equal as a complete brooder home, summer or winter.

JORDAN MILLING CO., Jordan, N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

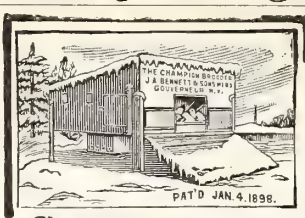
SOWING THE SEED.

By H. B. Geer.

At this writing—January 16th,—there is strong evidence of an awakening, and a stirring of the poultry interests in all parts of the country. The movement is now perhaps, stronger in the South, where the season for mating fowls and setting eggs is already at hand. A little later the activity will increase more to the northward, the West and the East, and by March 1st the great poultry interests of this vast country will be stirred with a commotion as great, if not greater than ever before. I predict, for 1899, a great trade in eggs and fowls for all fanciers, and great strides on the road to improvement in farm and market poultry. The demand for good poultry literature is increasing, and the strong support and reliance of progressive poultry culture—the poultry press—is sure to come in for a good share of the benefits of an active and profitable season among the fanciers of the country.

The editors, publishers, and correspondents, have kept right on through moulting season, and the time of snow and ice, sowing the good seeds contained in ideas and articles of advanced, and improved poultry culture, and now the time is at hand for the poultry breeder and advertiser to sow the seeds that will bring forth the pure bred chickens of 1899.

The egg trade is at hand, and the benefits to be derived from it are great. Farmers, Gardeners and progressive people of all classes buy new and improved seeds and utensils each year, that advancement over the previous year may be made, and, so it should be with the poultry keeper, whether he be a fancier or a marketer. The breeder of purebred poultry usually retains his best stock for breeding, and, hence it is possible for the person who cannot afford to buy a trio of fowls for $10 to $15, to buy a setting of eggs for $1.50 to $5.00 that come of stock worth the first figures. In this way the blood of the very best stock is introduced in various sections of the country at comparatively cheap prices. Every egg will not hatch every time, nor will every chicken raised from a $5 setting of eggs be a prize-winner. No, there may be even a cull or two among them; but, on the other hand, the chances are that there will be a trio raised from the setting worth 2 or 3 times the price of the eggs. I have bought eggs many times, and in all my experience, I never lost any money at it, neither have I ever had occasion to condemn the person I bought the eggs of. For, and I am glad to say it for the sake of the fraternity, I have never had any dealings with the person who was unreasonable, and not disposed to act fairly. Even when I first started out, with big expectations, and got some eggs from a noted eastern breeder, and only 4 or 5 of them hatched out of 2 settings—although I was later convinced that the eggs were chilled after I got them—even when I went at him in a very "sassy" manner, he simply refilled my order without harsh comment, and I had such success with the last eggs sent that I felt I had finally gotten more than my money's worth



In Zero Weather

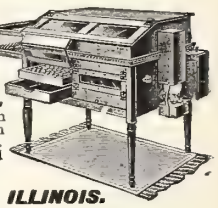
when everything is frozen up tight is the time to test a brooder. It is then that the poultryman wishes to be sure that he has made no mistake in buying a machine.

THE $5.00 CHAMPION BROODER IS KNOWN BY ITS WORK.

It fills every requirement. It has stood the zero test repeatedly in the worst blizzards of years. It brings its chicks through every time under all conditions. Endorsed by the very best authorities. Send for descriptive catalog and testimonials.

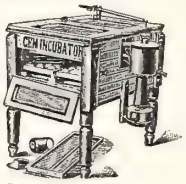
J. A. Bennett & Sons, Box A. Gouverneur, N. Y.

The Peerless Incubator **Hot Air or .....Hot Water** machines, as you prefer, are **Perfect in the application of heat, ventilation and moisture.**



Either combined incubator and brooder or single machines. The only machine with a specially constructed **Nursery for Chicks under the Egg Tray.** Removes them from the intense heat and saves the tenderlings that have just come out of the shell. We also handle **a full line of Poultry Supplies** all bearing the standard brand **"Peerless"** Write for what you want. New Catalogue, 4c. in stamps. Better send for it at once.

THE PEERLESS COMPANY, Box 33, QUINCY, ILLINOIS.



The GEM INCUBATORS and BROODERS

are first-class, up-to-date machines, with O. K. regulator and with self-cleaning egg chamber and nursery they are way up "G." Over 100 in use within ten miles of home. Everybody pleased with them. Try them 60 days, if not satisfied, send them back and get your money. Prices low. Freight paid. Send for free catalogue. Address the manufacturer.

J. W. SAUER, Trotwood, Ohio.

DON'T PAY A CENT

for an incubator of any kind until you have given it a thorough trial.

Some incubators were never intended to hatch chickens but are only made to sell.

We send you this **VON CULIN INCUBATOR ON TRIAL.**

After you have tested it to your satisfaction you pay for it. So easy to handle any child can run it. **Took First Prize at World's Fair and Medal at Nashville and Omaha Expositions.** We send the largest and most instructive catalogue published for 5 cents.

Plans for Brooders and Poultry Houses, 25c. **VON CULIN INCUBATOR CO. No. 2 Adams Street Delaware City, Del.**

A Popular Combination.

We will send you American Poultry Journal, one year, and Geer's Poultry Book,

"The Chicken Business, How to Make it Pay,"

post-paid for 60 cents. Try it.

AMERICAN POULTRY JOURNAL, 325 Dearborn st., Chicago, Ill.

BROWN LEGHORNS

Head the Procession

when from **Brattain's Exclusive Yards.**

WON at Oxford, O., Dec. '98, under Pierce: 1st cock, 92½; 1st, 2d, 3d cockerel, 94½, 94, 94; 1st hen, 94½; 2d tie 94; 1st, 2d pullet, 95½, 94½; 1st, 2d pen, 189¼, 187½, and all specials. Can furnish anything from crack show bird to a $2 breeder.

E. C. BRATTAIN, B. Leghorn Specialist, Connersville, Ind.

CRESCENT FARM, KENT, OHIO Box A. U. S. A.

Buff Cochins. Winners at *Madison Sq. Garden, New York, Buffalo, Cleveland and Elmira.*

White Leghorns. Winners at Buffalo and Cleveland last season.

We Can Furnish

from the above stock. Also first-class breeding stock Send for Catalogne.

REV. HENRY M. LADD, Prop.

Address **E. T. BLOOD, Mgr.**

EMPIRE STRAIN WHITE PLY. ROCKS.

No Culls. Eggs and stock all the year.

B. P. Rocks, Buff Wyandottes, Buff Cochins.

Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

E. M. DURHAM, LaPlata, Mo.

VAN BUREN POULTRY YARDS.

White Plymouth Rocks A SPECIALTY

We also breed and have some good stock of

Barred Ply. Rocks and Pekin Ducks.

Stock for sale. Eggs for hatching in season. Some extra good W. P. Rock cockerels and a few cocks.

J. J. CLEMENT, South Haven, Mich.

MRS. R. McKEE, Washburn, Illinois,

—— BREEDER OF ——

White Plymouth Rocks, Golden Wyandottes, M. B. Turkeys & Pekin Ducks.

Choice Stock For Sale.

At Wenona Poultry Show, Dec. 5-10, '98, won on White P. Rocks, 1st and 3d on cockerels, 1st, 3d, 4th on pullets and 1st on breeding pen. On Golden Wyandottes—1st, 2d, 3d on cockerel, 1st, 2d, 3d, 4th on pullets and 1st on breeding pen.

Walnut Grove Poultry Yards

Barred Plymouth Rocks, Exclusively,

Seven breeding yards for 1899 composed of prize winning males and females. Male's score 91 to 93. Females 90 to 94½ by Shellaburger, Snyder and Pierce. 50 cockerels and 75 pullets. Good breeders for sale. Cards by authorized judges. New illustrated circular ready February 1st. Get one before placing your egg orders; free if you mention A. P. J. Satisfaction guaranteed.

O. L. KING, Walnut Grove, Ill.

GEER'S EGG PLANT.

1884 - EGGS! EGGS! - 1899

Choice S-c. Brown Leghorn and Barred Plymouth Rock eggs, $1.50 per 13. Fair reduction on large orders. Healthy fowls, hardy chicks, and satisfaction to customers is my endeavor. Egg Circular FREE.

H. B. GEER, Nashville, Tenn.

"IDEAL" BONE CUTTERS

WITH ROLLER BEARINGS. FREE CATALOGUE

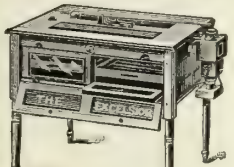
INCUBATOR BUTTON

CHAPMAN MFG. CO. WEST UPTON, MASS. BOX 813

No. 2 DRINKING FOUNTAIN GRAIN ROLLER

Hatch Chickens by Steam,

with the simple, perfect, self-regulating



Excelsior Incubator,

Thousands in successful operation. Guaranteed to hatch a larger percentage of fertile eggs, at less cost, than any other hatcher.

Lowest Priced First-class Hatcher Made.

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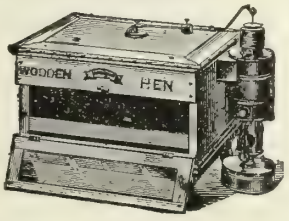

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THE COMBINATION INCUBATOR

is the latest and best thing out, made by the oldest and most reliable incubator factory in the U. S. We call this the incubator of our life, because we have had to accomplish two hard things in making it, best quality, lowest price; either one singly is easy; both combined—well, we do not need to say it was hard to do. But we have done it. If you are interested write for particulars. Book on roup, how to cure and prevent, 50 cts. Testing and hatching chart, $1; both at once, $1.25. 100-page catalogue of incubators and brooders, 5 cts. or stamps

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when provided with Egg-making food. Our Prepared Meat, Granulated Bone and Oyster Shell are actual Egg producers. Our Oyster Shell Meal and Bone Meal especially adapted to Incubator chicks. Eight sample bottles in case by mail for $1. Splendid opportunity for bright women to make money. Write for particulars.

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Look at the Record.

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EGGS **$3, $4 and $5 per Sitting.**

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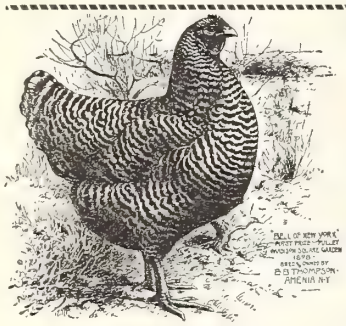

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all the **Sweepstakes Cups and Trophies**, including the **Superb Challenge Trophy, value $100**, for best cock, cockerel, hen, pullet and exhibition pen; **$100 Sterling Silver Cup** for best exhibit; **Grand Special Sweepstakes Cup, value $100**, presented by the **President**, for best P. Rock cock, cockerel, hen and pullet, **any variety.** My

Clean Sweep of 1st, 2d, 3d, 4th and 5th Prizes on Pullets

has never been approached in Madison Square Garden, and stands **alone** and **unequalled.** The record of both **1st and 2d prizes** on breeding pen was also **phenomenal.**

At **Madison Square Garden, 1895, 1896 and 1897,** my Barred P. Rocks won nearly **three times** as many 1st prizes as any other exhibitor and **more 1st prizes** than all competitors combined.

400 Grand Breeding Cockerels For Sale. **Also Elegant Pullets in any number.** ***Eggs from finest exhibition matings, one sitting $5, two sittings $9, three sittings $12.*** Richly illustrated catalogue on application. Address

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Mammoth Bronze Turkey Farm,

Home of the Famous

National Strain of Mammoth Bronze Turkeys,

which have won more first prizes in the past four years than all competitors combined. That too in the hottest of contests. They won **SWEEPSTAKES** at the great **SILVER CUP SHOW** at Kokomo in a class of **TWENTY-TWO BIRDS.**

A clean sweep at Indianapolis great show—1st on young tom; 1st, 2d and 3d on hen; 1st, 2d and 3d on pullet; 1st on pen and special prize for best display.

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EGGS $5 per 13. Will spare a few sittings from our choice No. 1 pen @ $4.50 per 6; $9 per 12. No reduction for quantity. These are all from fine exhibition matings. Write at once before they are all gone. B. P. Rock eggs $1.50 per 15; $2.50 per 30; $8 per 100. Send for new egg circular.

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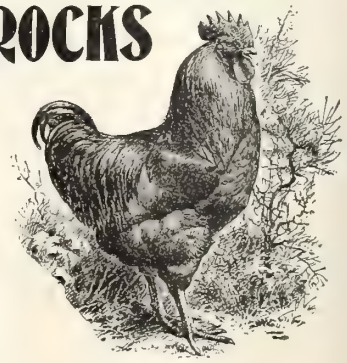
ARE YOU LOOKING FOR **BUFF PLYMOUTH ROCKS**



with that desirable GOLDEN BUFF COLOR THROUGHOUT, including UNDERCOLOR,

That are good size, and at same time have good combs, and **ENTIRE ABSENCE** of the worst features in the average Buff of to-day—white in plumage and feathered legs? If so, I can furnish you. **200 CHOICE BREEDING HENS AND PULLETS** at $2, $3 and $4 each. Birds that will produce fine stock for some one. **50 CHOICE BREEDING COCKERELS,** $2 to $5. **50 LARGE, HEALTHY, OFF-COLORED PULLETS** at $1 each. Business changes compel me to sell these birds at once. I shall continue to breed Buff Rocks, to their highest standard, as heretofore, and shall have

Eggs From Choice Matings at $2 per 13; $5 per 40.

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Characteristics are Insured.

DO YOU DESIRE TO BREED PRIZE WINNNERS OR LAYERS?

Either Purpose can be achieved by using

THE EUREKA NEST BOX.

Practical, Inexpensive, Effective and Secure....

The box requires only one-half minute a pen three times a day.

Indorsed by 500 Breeders.

I present one opinion by a leading fancier

In order to place this patented device within the reach of all, I sell building instructions only. If I sold the completed box it might be expensive to fit **ALL** of your pens.

To test cost of making, I had Eurekas for **THREE** pens made at Box Factory, and paid 95 cents for the lot, in the flat. Waste lumber can be used.

PRICE, $3.00.

ARTHUR G. DUSTON, the famous Wh. Wyandotte winner, of Marlboro, Mass., writes:

"I have given much thought to your system of Pedigree, and also to the much talked-of Eureka Nest Box. I am surprised that some one in the fraternity has not thought of something of this kind before. The simplicity of the Box, its cheapness, durability, and accuracy are the charms that will make its adoption general. The exclusive breeder can not afford to be without it; for he must not permit himself to even feed a cross-bred of the lower type unless she contributes to his support—and how can he know unless he uses the Eureka Nest Box? True records can be kept with it. In this way, he can breed from the best layers only. The fancier can have actual knowledge of the 'get' of his individual, females as well as males. No matter how large the flock, the Box brings it to a complete single-mating system. The Box is a great step forward; which, together with your Pedigree System, should, if properly kept, in a few years make breeding more a certainty. *I am adopting it complete. It is a good thing.*"

One Eureka for Each Pen.
Not necessary to divide yards.
No Trap to Set after use of nest.
No limit to number of hens that can use Eureka at one time, yet each Egg is identified.
No springs, latches, strings or catches. No movable floors.
Any number of hens in a pen and yet each is a single mating.

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B. P. ROCK { **Eggs.**

Will sell eggs from above varieties this season at $1.25 per 13. No stock till fall.

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One of the finest flocks in America. Winners for eight years, Detroit, Bay City, Chicago, etc., '99. Great under-color—can't be beat. Eggs $2 per 13. Send for 8-page circular, free; stamp accepted.

3-2 GEO. S. BARNES, Battle Creek, Mich.

Eggs--$1 Per 13--Eggs

Finest of

S-c. Brown and White Leghorns, White and Black Minorcas. Buff Cochins, Light Brahmas, Barred P. Rocks, S. L. Wyandottes. When you want eggs that hatch winners write to

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Light Brahmas,

Exclusively.

Farm raised. Bred for utility. The season of 1898 males were from Challenge strain direct, a noted utility strain. This season's males are from Hartnest strain direct, also a noted utility strain. Eggs, 1 sitting $2; 2 sittings $3.

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I have a few Golden Wyandotte cockerels scoring from 90 to 94 points by Bridge, for sale.

Also eggs from pen headed by first prize cockerel at Detroit, scoring 94 by Bridge. Price $3 for 13.

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Brown-egg White Wyandottes have a record of over 200 eggs in a year. Yard No. 1—10 choice pullets, Hunter strain, mated to a "Stay White" Duston cockerel. Yard No. 2—10 choice pullets mated to an 8-lb. Hunter cockerel. Also breed S. c. W. Leghorns, Wyckoff strain. Eggs, 15 $1.50; 45 $3; 100 $5.

F. R. SIMMONS, Casstown, Miami Co., O.

Huff's Light Brahmas

Barred Plymouth Rocks:
S-c. Br. Leghorns and Blk. Minorcas

have a record hard to beat—14 firsts and 8 second prizes on 22 entries. Also White Ply. Rocks, S-c. White Leghorns and fine Imperial Pekin Ducks. Eggs from mammoth Light Brahmas $1.50 per 13; other varieties $1 per 13; Pekin Ducks $1 per 11. Send for my circular or order direct from my ad. My stock will please you. Satisfaction guaranteed.

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As an inducement to secure new customers I will sell Eggs this spring at half price as follows:

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Barred P. Rocks	13 1.00	Houdans	13 1.00
White P. Rocks	13 1.00	Buff Leghorns	13 1.00
Light Brahmas	13 1.00	S-c. W. Leghorns	13 1.00
Buff Wyandottes	13 1.00	R-c. W. Leghorns	13 1.00
Silver Wyand'ts	13 1.00	Black Minorcas	13 1.00
Golden Wyand'ts	13 1.00	Im. Pekin Ducks	11 1.00
White Wyand'ts	13 1.00	C. I. Games	13 1.00
Buff Orpingtons	13 3.00	Buff I. Games	13 2.00
Buff Cochins	13 .75	Buff Brahmas	13 2.00

All the above eggs at $6 per 100, except Orpingtons $15 per 100, Buff Indian Games $10 per 100.

Have had 29 years' experience with strains awarded over 300 premiums since 1881, and now having one of the largest poultry establishments in America, I feel confident I can please all who favor me with an order. Catalogue free.

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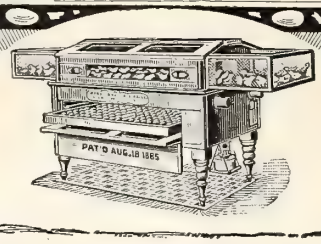

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In order to succeed in the poultry business as well as in anything else, it is necessary to start right. The first essential is poultry (chicks) itself. Unless there is successful incubation and successful brooding there can be no poultry. Chicks that die as soon as they kick out of the shell, or at the end of the second day, do so because they were not properly hatched. They were robbed of their vitality and their ability to live by incorrect methods in incubation. The

"OLD RELIABLE" INCUBATORS

make no such mistakes. They are so constructed that a new beginner is bound to succeed—just fill and light the lamp; the machine does the rest. Controls heat, moisture and ventilation perfectly.

Our Reliable Pliant Copper Leg Bands are the best, easiest applied and most durable bands made. Reduced to 12 for 20c 50 for 50c, 100 for 80c, 500 for $3.50, 1,000 for $6.50., post or express free to any address. We make a specialty of fine

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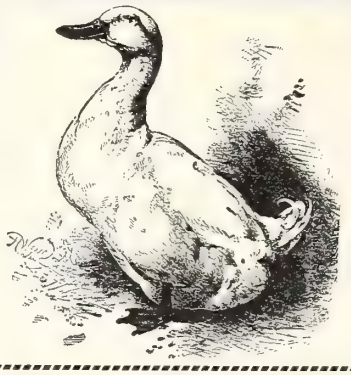

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Eggs, 15 per $1.00; 50 per $3.00; 100 per $5.00 1,000 per $40.00.

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Satisfaction guaranteed. A discount on large orders.

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Are rapid and easy growers. Handsome in appearance. Eggs and stock for sale. Write us.

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Winners at the Great Chicago Shows of '97, '98, '99, See show report.

Some fine breeding stock for sale. A special sale of cocks and cockerels. 21 years a breeder of Light Brahmas. Eggs this year only $3 per 13; $5 per 26. A tri-colored Collie female for sale at $10; 9 months old; from trained parents.

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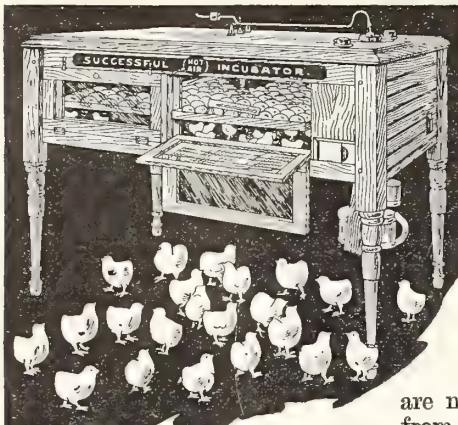

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There is more than the simple hatching of the egg in the question of incubation. An incubator may hatch the egg all right, but the chick may not have vitality enough left to kick its way out of the shell. Again there may be too much moisture and the chick may be drowned before it sees the light. Or there may be too little moisture and the chick will stick fast to the membrane inside the shell. Every man and woman of experience knows that this is worse than chick murder. Profit and loss begins to count at this vital point. These are not imaginary deficiencies as many people have learned from sorrowful experience. The way to avoid such calamities is to buy an incubator that is perfect.

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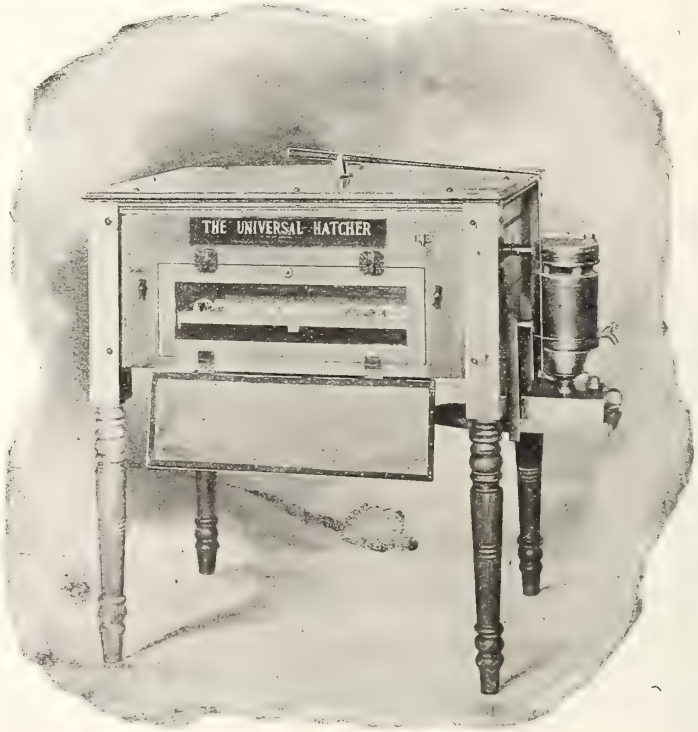

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211 R. R. Ave.,
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Buff Cochins.

Shown at Chicago in '98, and won. Our first prize pullet said by several Cochin men to be the finest ever seen. Did not show this year, but furnished winners for shows east and west, including Chicago. Birds finer than ever. Some for sale. A few eggs for sale at only $4.00 per 13.

G. L. M. Atkinson of Denver, Colorado, also has fine Buff Cochins.

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Reliable Poultry Journal, . . .	.50.
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(Regular Price)	$2.00.

All three one full year for only $1.25 a year.

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Do You Want the Best?

Can spare a few sittings of eggs from two choice pens of

Barred Plymouth Rocks,

containing all our prize winners. Have shown pullets scoring to 93½ and cockerels to 93. Eggs $2.50 per 13; $5 per 30. A good hatch guaranteed.

MYER BROS., Malden, Ill.

BROWN LEGHORNS

Are sure to Win

WHEN FROM

BRATTAIN'S EXCLUSIVE YARDS.

Eggs from our Indianapolis and Oxford winners $2 per 15 or $3.50 for 30.

I claim the highest scoring pen of the season, 189¼ under Pierce. Not a bird in my breeding yards scoring under 94.

E. C. BRATTAIN,
Brown Leghorn Specialist,
Connersville, Ind.

Two For $1

We will send

Farm-Poultry and American Poultry Journal,

both one year for $1. The regular price of American Poultry Journal is 50 cents and Farm-Poultry $1 and you save money by sending us your subscription.

American Poultry Journal, Chicago, Ill. U. S. A.

EGGS FOR HATCHING.

FISHEL'S WHITE PLYMOUTH ROCKS.

MATINGS FOR 1899.

YARD A.—Prize cock "White Prince," score 95½, winner 1st prize cockerel and 1st prize in pen at Indianapolis, '97; winner 1st prize as cock at Indiana State Fair, '98. Pronounced by every one to be one of the best, if not THE best, cock bird they have ever seen. I have mated him to 2d prize pullet, Indiana State Fair, '98, score 95, and six other pullets scoring 95, 96½, 95, 94½, 96 and 95.

YARD B.—Prize cockerel "Tattersall," winner of 3d prize at Great Chicago Show, 1899, and 2d prize at Indiana State Fair, '98, mated to 1st prize hen Indiana State Fair, the grand hen, "Perfection," score 96½, and five other hens scoring from 94 to 95 points.

YARD C.—At the head of this yard is "Chicago King," winner of first prize as cockerel and first prize in pen, as well as the American White Plymouth Rock Club cup, at the Great Chicago Show, 1899. Mated to him are hen, "Mamie," score 96 by Pierce, 4th prize pullet at Indianapolis, '97, score 95, 1st prize hen at Great St. Louis Fair, '98, also 1st prize hen at Illinois State Fair, '98, and five other hens scoring from 94½ to 95½.

YARD D.—Prize cockerel, "Chicago Boy," winner 2d prize as cockerel at the Great Chicago Show, '99. This bird is pure white, with good low comb, rich bay eye and is true Rock shape. I have mated to him the two prize pullets in 1st prize pen Indiana State Fair, '98, score 95 and 95½; also four hens winners 3d prize pen, Indianapolis, '97, and one hen, winner 1st prize, Creston, Ia., '97, score 95½.

YARD E.—Prize cockerel, "Prince of Indiana," winner 1st prize as cockerel and 1st prize in pen at Indiana State Fair, '98. He is a bird that could win anywhere. I have mated to him the four prize hens, winners of 1st prize as pen at the Great Chicago Show, 1899, and 1st prize hen at Ottumwa, Iowa, '96, score 95½, 2d prize hen, Creston, Ia., '97, score 94, and two pullets, score 95 and 95½ by Pierce.

A RECORD UNEQUALLED BY ANY WHITE PLYMOUTH ROCK BREEDER IN THE WORLD.—At the Great National Show, Chicago, Ill., January, 1899, in competition with the Cream of the Country, my birds won **First Prize Cockerel, Second Prize Cockerel, Third Prize Cockerel, First Prize Breeding Pen and the American White Plymouth Rock Club Cup,** the five most coveted prizes offered.

At Indiana State Fair, September, 1898, in competition with 109 White Plymouth Rocks, the best to be had, my birds won first prize on cock, first prize on hen, first prize on cockerel, first prize on pen, second prize on Pullet and second prize on cockerel.

I do not care to advertise my winnings of previous years, as I want to show that my matings prove successful and that I show only where I will be in competition with the choicest and best. A win in such company proves to all that Fishel's White Plymouth Rocks are **THE BEST IN THE WORLD.**

Eggs, $5 per 15. Circular free. U. R. FISHEL, Box A, Hope, Ind.

Winners at New York, 1897, from life.

HAWKINS'

ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER AND WHITE.

EGGS FROM PRIZE MATINGS.
1 Sitting, $5. 3 Sittings, $10.
2 Sittings, $8. 5 Sittings, $15.
Per 100, $20.00.

Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1899 are the best I ever owned.

At the Great National Show, WASHINGTON, D.C., in hot competition with over **300 birds** of these varieties, the best that could be found regardless of price, I won **45 Regular and Special Prizes on 39 Entries,** including **First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show** (Bantams excluded), and this on my **First Prize Barred P. Rock Cockerel.** My winning White Wyandotte cock was pronounced by the judges to be the **best they had ever seen.** I won twice as many first prizes as **all other exhibitors** of these varieties. My **BUFF ROCKS,** at **BOSTON,** 1899, in hot competition, won **more first and special prizes than all others.** My customers are winning all over the country. If you want the **BEST,** write me. Hundreds of **Choice Exhibition** and **Breeding Birds** at **honest prices.** Catalogue of America's finest **Plymouth Rocks** and **Wyandottes free.**

A. C. HAWKINS, Lock Box 25, Lancaster, Mass.

1st Prize Buff Leghorn cock, New York, '98.

Buff Leghorns, • Champions of the East. •

AGAIN AT NEW YORK my Buffs were awarded 1st on breeding pen—this is the third consecutive year I have won 1st on breeding pen at the great New York show. I also won at last New York, 1st cock, 2d cockerel, 2d and 3d hens, 1st and 2d pullets and the American Leghorn Club cup for best exhibit.

S-c. White Leghorns.

Every White Leghorn in my yards is either a New York prize winner or bred from New York prize winners. This year I won at the great New York show, 1st on breeding pen, 1st on cock, 1st on cockerel and the American Leghorn Club cup for best exhibit.

EGGS for hatching from New York winners. Catalogue free.

EZRA CORNELL, Ithaca, N. Y.

CLARKE'S FAMOUS
TRANS-ATLANTICS.
Have Fought under Four Flags
And Never Met their Equals Yet
Write for circular. Mention this paper.
H. P. CLARKE, Indianapolis, Ind.

PARTRIDGE WYANDOTTES, ONLY.

Eggs from two yards of well marked birds, mated by E. O. Thiem, the originator, for best results, only $2 for 13. White Fantail Pigeons for sale.

R. KNAUL, Denison, Iowa.

BUFF WYANDOTTES,

EXCLUSIVELY.

The popular strains of Buff Wyandottes formerly bred by B. H. Smith will be continued at the same yards. Our cocks and cockerels took first prizes at Detroit and Chicago shows this year. Eggs in season.

B. H. & M. H. SMITH, Coldwater, Mich.

Grigsby's Poultry Farm.

EGGS FOR HATCHING **EGGS**

Barred P. Rocks $1 per 13. White P. Rocks, $1 per 13. Buff P. Rocks $1.50 per 13. Pekin Ducks $1 per 11. Stock for sale at all times. I guarantee eggs fresh and fertile.

W. S. GRIGSBY, Lena, Ill.

The Daisy and Crown BONE CUTTERS.
Best in the World.
The $5.00
Hand Bone, Shell and Corn Mill.
THE GEM CLOVER CUTTER.
Send for circulars and testimonials.
WILSON BROS., Easton, Pa.

PARAGON LANGSHANS

.....A FEW CHOICE BIRDS FOR SALE.....

EGGS, $5 for 15. **Satisfaction Guaranteed.**

HUNT BROS., Greenwood, Ill.

EGGS FROM WINNERS.

My Pens Contain ALL My Light Brahma Winners.

Not a female in these pens score less than 93½ by Pierce. Males include those upon which I won Grand Sweepstakes at Rockford.

Eggs from these pens $3 per 13; $5 per 26.

H. S. GODFREY, Rockford, Ill.

Catalogue containing 6 photos and other electrotypes free. A few superb cockerels left, most of them score 92 and better; splendid hackle and black wing and tail; $2 to $4. If you want one, write now.

S-C. BROWN LEGHORNS.

CHICAGO SHOW, 1899, ***CEDAR RAPIDS SHOW, 1899,***

2d Pullet, Score 94. ***2d Pullet, Score 95.***

Pen Headed by 2d COCKEREL, Chicago, 1899.

CONTAINS IN ADDITION TO ABOVE:
1st pullet, West Liberty, Iowa, Score 94½.
3d pullet, Chicago, Score 94,
Two 5th (tie) pullets, Chicago, 93½, 93½.

Don't you think these ought to hatch **WINNNERS?** ***Eggs $2 per 13.***

A. H. MORGAN, 5410 Chicago Ave., Austin, Ill.

American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

VOL. 30. CHICAGO, ILL., APRIL, 1899. NO. 4.

"ST. ELMO"—HOUDAN COCK, LINE-BRED BY THOS. F. RIGG, IOWA FALLS, IOWA.

THIS male bird is of the dark, desirable type; weight, 8½ pounds, and so good in all sections, as to shape, that, regardless of his dark points (so much desired in a breeder, but cut in the show room for color) he reached the score of 95¼. Note his solid black tail, and other black points. He is the sire of many winning birds. Large, dark, sweeping crest, falling over on neck.

This series of papers on the prevention of disease, the care of fowls, the preservation of health in the flock, and the general conservation of energy in breeding poultry, is written expressly for AMERICAN POULTRY JOURNAL by DR. N. W. SANBORN.

In presenting to the readers of The American Poultry Journal a series of articles on poultry diseases, I know well the need that exists for plain language, simple remedies, and above all a knowledge of the causes of sickness in our birds.

In giving you such a view, I understand that I am to present a little of the disagreeable, costly and discouraging side of poultry culture. It is a story that no one likes to read, and in giving it to you, I wish to do so, in such a way as to impress upon you causes as well as cures; so that in the future when disease is attacking your neighbors' flocks, you may at once avoid sickness among your own birds and be able to give advice to your friends.

So far as remedies for disease are concerned you will find little use for them if you carry into practice the good ideas you ought to have received from the pages of The Journal. It is only when you depart from the "straight and narrow way" of sturdy stock—well housed, well fed, and free from lice—that you invite disease into your poultry yard.

One of the generally unthought-of facts in poultry keeping is that few diseases arise except from carelessness or overzeal on the part of the owner. Perhaps many of you think this statement too strong, but as we take up and consider causes of disease, you will find the idea has a sound basis.

The tendency of a hen is toward health. Under right conditions she will remain well and grow tough, in more senses than one, as the years go by. Certain diseases attack all birds alike; other diseases will apparently find the best breeding ground in the healthy birds; while, last of all, there are a few troubles that seem to prefer already sick birds for prey. You see that all diseases do not attack all birds alike. On the whole, stock that is naturally strong and vigorous will resist disease to which birds of less stamina succumb.

I firmly believe, that along the line of prevention of disease, rather than the cure of sick birds, our best work is to be done.

Before taking up individual diseases, let me call your attention to some of the general causes that are factors in the problem of sickness among our birds. To have much sickness is to invite failure rather than success. To know the stumbling blocks in the way of healthy birds is half the battle in caring for poultry.

One obstacle to success is weak stock. To attempt to win a good profit with birds of low stamina, long inbred, or with late-hatched, stunted birds, takes great courage, and generally proves a failure.

The second obstacle to success is improper yards and houses. To have runs so small as to allow the earth to become filthy; to allow the birds but little room for exercise, and no chance to pick green food for themselves is inviting disease, even though you do much to counteract the disadvantages.

Houses that are low, dark, with cracks in walls or roof, either too much or too little glass, are not the ideal homes for paying hens.

High roosts and dropping boards are the cause of many a case of bumble-foot.

Nests built into the house, and hence hard to keep free from lice, are not without great possibilities of "tired" birds.

No opportunity for the hens to take dust baths during the shut-in season of the year allows the bodylice to increase on them to such an extent as to diminish vitality. But few eggs will be seen under such conditions.

Lack of shade in summer, combined with a hot house, increases the strain of the warm weather.

Another obstacle to success is deficiency of exercise. A busy hen is a paying bird. To so feed as to require the hen to do nothing toward finding her food produces laziness, and the sleepy birds lay few eggs. A chick so confined as to have little chance to run, and pampered with food, does not get the stamina, and become the adult bird desired, and above all falls an easy prey to disease.

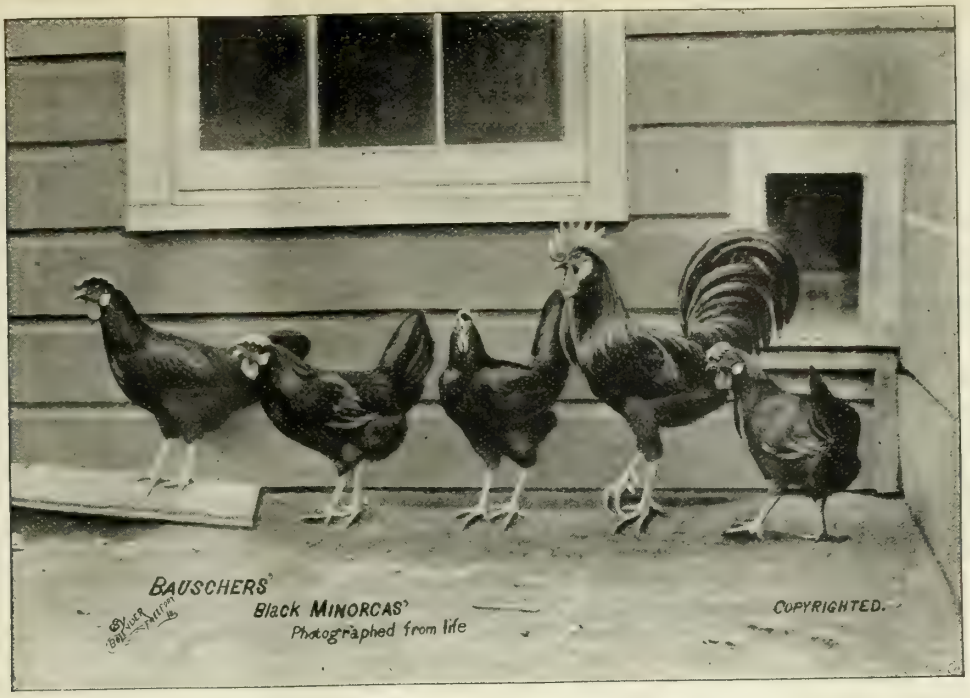
Another cause of disease is unclean houses. To allow the droppings to remain under the roost for weeks at a time is to induce roup, bronchitis or diarrhoea. Birds that are obliged to breathe the ammonia that arises from the droppings cannot help suffering an irritation of the air passages. Many a case of so-called bronchitis (rattling in bronchial tubes at night) is due to irritation from the rising vapor of the waste from the bowels. Another danger from droppings is indirectly from the grit it contains. A man who does not keep clean his henhouse is not likely to think of the need of a supply of grit. Shut in, as many birds are, on board floors, without dusting-box or grit, the need of grinding material becomes a necessity and as a last resort the bird goes to the droppings for a supply. In itself the grit is better than none, even though it may have been used over and over again, but in the taking of it, other parts of the filth are swallowed and become a source of disease.

Another danger is from uncared-for drinking vessels, or from water fountains that cannot be cleaned on the inside. In warm weather water dishes soon become foul, and develop a putrid film on the earthen or tin sides that is not to be desired from a health standpoint.

Another mistake is not to supply bulky food. No one would think of feeding cows grain only, without hay or cornfodder, and expect to keep healthy animals. It is just as much necessary to give hens something for "filling," if for no other reason, and cut hay, clover or cornfodder fill a place of importance in maintaining health in hens. If given scratching material of hay, straw or leaves; or if the birds are allowed access to barn mows, they will get a supply of filling, but very likely will get an article of little food value. Better than nothing would be a bunch of cornstalks tied and stood in a corner of each pen, kept clean and yet within reach of every bird. To be safe from the danger of impaction of the crop, all green food ought to be prepared by cutting in short lengths before feeding.

Another source of failure, in getting winter eggs, if not also in keeping the birds in the best condition, is the absence of animal food. I never knew a flock of birds where was not given animal food to pay for their keeping during the months of November, December and January. I know more than one farmer, who in most respects takes good care of the birds, but never gives meat meal or green bone, and every one of them has to buy eggs for home use during five months of the year.

Still another danger, not only to profits but to health, is the depending upon corn for feed. Corn has its place and is needed as a heat-producing food; but to use it altogether, to the



BLACK MINORCAS—One of the Pens in the Yards of John Bauscher, Jr., Freeport, Ill.

exclusion of wheat and oats, is to get unhealthy birds and few eggs.

I know a man keeping one hundred hens who feeds his birds a mash of corn-meal in the morning and gives them all the whole corn they will eat at night. He gets no eggs for months at a time. On the next farm, he had for six years a neighbor who fed on a different plan, and that neighbor, with the same number of hens, got from twenty to seventy eggs per day in the cold season. The first man said it was his "bad luck," and the other that it was "common-sense feeding" that gave the results. The first man fed his cows a good ration and got fine results, but when it came to hens he was neither willing to learn from his neighbor nor take a poultry paper; and I have no doubt that he is feeding this winter just the same food (corn and corn-meal) and getting the same results as for the past ten winters—no eggs and a lot of hens that will break down and die in the spring.

Another mistake, not preached or practiced so much now, is the feeding of so-called egg foods or powders. The intelligent poultryman today should know what he is feeding his birds; and to give something from a tin box, or cask, even though the enterprising manufacturer warrants it "to make healthy chicks and produce eggs every day in the year," is to take a risk that I am sure none of you desire to take. There is nothing you can feed to produce eggs and preserve health better than a well balanced ration of sound materials. A little spice is a good thing and needed just as you and I need it on our own food; but to use it to push and overstimulate the egg-producing organs is in the end to bring failure.

Wellesley Hills, Mass.

———o———

JOHN BAUSCHER, JR.

The breeding of thoroughbred poultry is rapidly becoming one of the leading branches of the live-stock industry of the country. This is shown by the increasing business done by the men engaged in the work. John Bauscher, Jr., Freeport, Ill., is a leader in this matter. He is getting more orders for fine stock and eggs this year than ever before, and is prepared to fill still more orders. He raises no less than 45 varieties of fowls. There is no danger of overdoing the business. Mr. Bauscher welcomes all newcomers to the ranks. Poultry-raising is peculiar in this respect: New blood is always in demand. Besides the immense market for food purposes, there is a growing call for pure-bred stock amongst the fanciers. We present herewith an illustration of one of Mr. Bauscher's pens of Black Minorcas that shows the quality of his birds. For a 2-cent stamp, he will mail one of his colored calendars, and for 15 cents a 84-page catalogue and descriptive work on poultry raising. Please mention A. P. J. when ordering either, or when writing for fowls or eggs.

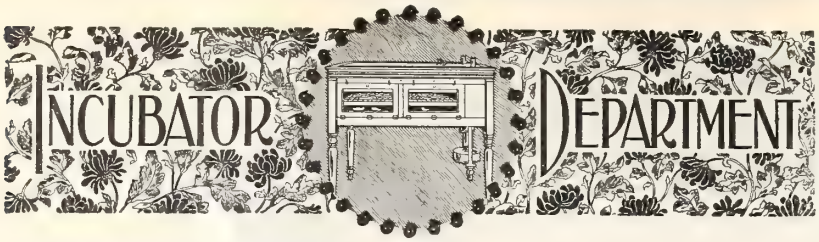
LITTLE OF EVERYTHING.

Frank Heck, New Albany, Ind.—The poultry industry is undoubtedly enjoying a season of growth such as it has never before experienced. The demand for high-grade stock and eggs is unprecedented. This is the testimony of every breeder who is wise enough to realize that it pays to have only the best. I say to poultrymen: Don't sell $2 birds and $1 eggs. If your stock is not worth more than this, get rid of it and spend a few dollars for something that will pay you to handle.

Jas. S. Hoffman, Sharon, Pa.—Do not lose your best birds with roup, but prevent it by taking air-slacked lime and sprinkling over it a little turpentine, mixing well together, and scattering the lime lightly over dropping-boards and floors.

Charles J. Stuckey, Mechanicsburg, O.—It is tiresome to hear so much about "bad luck" in the poultry business. If these persons could stop the cracks in the house, keep the door shut at night, and have a solid dirt, gravel or cement floor which can be kept clean, we should hear less about luck. It is care that wins and not luck.

W. W. Richardson, Quincy, Ill.—I believe a working chicken makes, to a great degree, a healthy one and I also get a great many more eggs when a scratching-shed is furnished. Let the fowls out a part of each day and they will be less liable to colds.



MOISTURE AND VENTILATION.

This Scientific Proposition Discussed for American Poultry Journal Readers by J. L. Campbell, the Veteran Incubator Manufacturer —Some of the Statements by a Previous Writer Brought under Consideration.

I was interested in the article by L. S. Bache, in the February Journal, and just for variety, with your permission, I will criticise the article a little.

The article is very good, but Mr. Bache makes two very pronounced errors, the first is important only because it is the generally accepted theory among those who have not given the matter particular study; the other error is very highly important to every person who uses an incubator.

The first point to which I refer is Mr. Bache's statement that in the hot-water method of heating it is the hot water which forces the circulation, while the reverse is the case. The cold water is the moving body after the heat is applied. The hot water can be made the moving body only by having it under sufficient pressure to force the heat downward instead of upward. Not that it cannot force it as easily one way as the other, but that there must be sufficient pressure at least to overcome the force of gravity exerted by the cold water. Any system of hot-water heating where the heat of the water is not enough to raise steam will be a failure if means are not provided for a free flow of the cold water towards the source of heat. The hot water cannot force it there; it can only be forced upward by the superior weight of the colder and heavier water.

The other point is in reference to the dryness of hot air. Mr. Bache assumes that by heating air hot one always heats it to the same point of dryness, regardless of where it came from, whether it was dry or wet to start with. By your leave, I will say this is a very mistaken idea; in fact, utterly impossible of accomplishment except in one way, and that is to allow such heated air to have all the moisture or water it will take up when heated to what is called saturation, which means that the air is so full of moisture that any addition will cause condensation. The dampest or most moist air there is is very hot air. The hotter the air the more moisture it will carry. The very dryest air it is possible to make at atmospheric pressure unconfined is the coldest air it is possible to make. There are just two methods of getting all the moisture out of the air, or practically all. One is by cooling and condensation, and this will not take it all out, and the other by heating so hot that the water in the air is decomposed and burnt out by catching fire. Water poured on a hot enough fire burns as readily as oil. Air forced into such a fire as that will burn all the moisture and oxygen out of it, which is the Bessemer method of making steel.

When Mr. Bache admits fresh air into his heater and heats up to the same point of dryness regardless of where it came from, whether it was moist or dry in the first place, as he states, I will state for his benefit and all others interested who may read this, that the air contains every bit of moisture it had before it entered; and that if it can possibly find any more moisture in the incubator it will take it up and hold it until it is cooled down to the same point it was when it entered; and that if it was dry when it entered it will still hold on to the moisture until it is cooled below what it was when it entered the machine; but if it was moist to point of saturation when it entered the machine, just as soon as it is cooled to the same point after leaving it, then it will begin to deposit moisture by condensation.

It is very seldom that the atmosphere is ever moist to saturation.

There are scientific instruments for giving the relative humidity of the atmosphere. Relative to what? Why, to 100 points or degrees. This is called saturation, or the reverse more properly. Whenever the air approaches this point it becomes very oppressive, and never does so except in hot weather. Sixty-five is considered about the average and best degree of humidity to support life. In other words, the air has 65 parts of moisture when it could hold 100 without condensation.

Now, herein lies the gist of the error of Mr. Bache; he, as stated before, assumes that by admitting any and all kinds of air to his heater, moist or dry as he states, dry as dry can be, just as soon as he heats it to a certain point it is always dry, while in fact it is actually wetter than it was before, because it has taken up some of the moisture which has escaped from his eggs and contains just that much more than it had in the first place. That it does do this is proved by the fact that his eggs have dried out, and that how much soever he may want to keep the moisture from them all in his incubator, he cannot do that as long as he permits any circulation at all. It is fortunate for his method of hatching that this is true, because if he made the air, as dry as he thinks he does, he would never get a chick. He would either dry them to death, or asphyxiate them—that is, kill them for want of fresh air.

If the heat is kept all the time at 102 or 103 then hatching without using any moisture is merely a question as to the amount of ventilation. Very little is required for the first two weeks; but to hatch healthy chicks, much more is required the third week; and while it is possible at all times to hatch without moisture, it is not best at all times to do so. Much depends on both the weather and the eggs. It will not longer do to accept the old hen as an infallible guide, because we have now got away ahead of the old hen. It is quite possible to hatch in an incubator eggs which no hen could possibly hatch at all. She would either break them or dry them out so rapidly that they would not hatch, but would dry up. I have hatched such eggs as that by keeping them on a damp cloth for the last two weeks, and even then some of the chicks would be dried out too small. It is not enough to merely hatch out the chicks. Bad chicks as well as good ones can be hatched. What is wanted is to hatch the kind of chicks which will live and grow rapidly after they are hatched.

Another point which has a direct bearing on the moisture or no moisture question is the variations of the atmosphere outside the incubator. A variation of a few degrees in the incubating-room will make a large difference in the amount of air which will pass through the same sized opening. This can be regulated to a certain extent by automatic ventilators; but according to many of the makers an automatic ventilator to an egg-chamber spoils the machine entirely. So, to operate a machine which has none, the operator, in order to keep up uniform ventilation, would

have to change the size of the openings several times every day. This has been found in practice to be unnecessary, for the very simple reason that exactly uniform ventilation is not necessary. To state that the ventilators can be set a certain way and the air kept at a certain degree of dryness regardless of what the outside conditions of the air are would simply be to affirm an impossibility.

There is but one way to know whether you are right as to the moisture, no matter what plan is adopted to run the incubator by, and all experienced operators use that plan, regardless of whether they use moisture or not. They may run by some other plan, or think they do, but they look at the eggs any way and judge by the size of the air cells as to whether they have enough or too much ventilation or moisture when it is used. Whenever it is possible to measure one man and make clothes from that measure which will fit any person large or small, fat or lean, then will it be possible to make rules which will fit any eggs or any locality without ever looking at the air cells of the eggs. Until that time comes the air cells of the eggs alone will have to be the only absolutely correct guide.

Even then considerable latitude can be allowed with the most successful hatches. Fortunate indeed is it that this is true. If it was not, it would then be possible to hatch only a limited percentage of healthy chicks, because it is and always will be simply impossible to get 100 eggs in one lot for which the same conditions would be exactly suitable for each egg. Each egg would have to be exactly the same in weight and kind of shell; so exactly alike that each egg would evaporate so that all the air cells would be exactly the same size. That never was nor never will be found in any 100 eggs.

Quite a large variation can be allowed in the size of the air cells and still hatch good strong chicks, but there is a limit either way beyond which it is impossible to go and hatch eggs at all. Then of course there must be a best point, and the closer we get to this best point the better the hatch, both as to percentage and quality of chicks. It is possible to hatch chicks so large and soft that they lose nearly half in weight in three days' time after being hatched. It is also possible to hatch them so small and dried out that they will rattle in the shell at pipping time. No person would pretend to say that either kind was the best kind of chicks to hatch. The best kind and size to hatch is one that is

WHITE PLYMOUTH ROCK PULLETS.

Score 95 each, tying for first and winning second and third at Chicago, 1899. They were the two highest scoring birds in the White Rock class of 104, the cream of the country. Bred and owned by Frank Heck, Sec. and Treas. American Plymouth Rock Club, New Albany, Ind.

fairly plump without being too soft and bloated. Such chicks will gain in weight right along from the start, just as soon as they begin to eat.

Experience will soon teach the intelligent operator how large to get the air cells in order to hatch such chicks, and the best possible way to know when they are the proper size is to look at them,, and, as Mr. Bache says, to run accordingly. I will tell him what "accordingly" means. It means that if the cells are too small he can either increase ventilation or reduce moisture, or increase heat. Either method will increase the size of the air cells. One degree more heat will make a very great difference in the size of the air cells in a few days' time without any other change whatever. "Accordingly" means that if the cells are already too large the only method is to supply some moisture, because that is the only remedy for a case of that kind. Decreasing ventilation or reducing heat will not answer then.

"Accordingly" means that if the heat is already up to the full limit, the operator is then compelled to fall back on reducing moisture or increasing ventilation if the cells are too small; but if too large, only one plan is left, and that is as stated above, use moisture. "Accordingly" means that if the ventilation is already squeezed down to the lowest possible limit consistent with safety to the life of the embryo, and the heat to the lowest limit which will hatch, and the cells still too large, then there is still the only one plan, and that is moisture.

All these things can and do happen, and can be caused both by thin shells, and very dry weather, or the reverse, by thick shells and wet weather, so that when all is said which can be said, or done by any person, the only infallible rule or guide is the air cells of the eggs, moisture or no moisture, hot air or hot water, cold weather or hot weather, dry or wet. All of these different conditions have to be met, and the operator who uses the eggs themselves as the guide is the only one who will not make mistakes.

As to the difference between the heat which is radiated from a tank of hot water or a tank of hot air, as to moisture, there is none, as Mr. Bache says, but still there is a great difference, and the greatest difference is in the uniformity. This is sometimes good, and sometimes bad. A large tank of water will give off a very uniform heat, but whether that is a good point or a bad one depends entirely on the location of the machine. If the machine is in a cellar or other place where the heat is very uniform, a large tank of water will produce as good results as can be had from any other method; but if such a machine is placed in a locality which is very variable in temperature such a tank is the worst method of heating that can be used. The best kind of a tank is one with a small body of water and a rapid circulation. Such a tank as that can be cooled off almost as quickly as a hot-air tank, and will give off a more uniform heat than any hot-air tank. That is the principal point of difference between the two tanks. Some very popular hot-air machines have a very unequal heat in the egg-chamber, but that does not prevent

good hatches if the trays are changed about often enough to make a fair average heat of 103. The old Perfect Hatcher, which is no doubt well remembered by the editor, though it died a natural death, was one of the most unequally heated machines I ever run or saw; but it had a regulator which would regulate to a hair, and although the eggs in the trays varied from 96 to 105, yet by changing them about three times in 24 hours I could hatch 90 per cent right along with it. Eggs do hatch best and the chicks are the best when the heat is kept right nearly uniform, but nature has provided that it is possible for them to stand a very large variation and still give good results.

The most important point of all in running any incubator is the heat. If that is right, fair hatches can be had if many other things are wrong. The average heat for the eggs, of course, should be the same in any incubator; but there is so much difference in incubators that eggs would be hotter in some at 103 than in others at 105. This difference is all caused by the difference in the heat below the eggs. Those machines which use only top heat are not always the same below the eggs, by any means. Although a thermometer on top of the eggs might remain perfectly uniform, a machine which has heat below the eggs should not have the heat on top of the eggs above 103, as a general thing, while one that was very cold below the eggs would not hurt them at 105 on top. Although as a matter of fact, the best results are not obtained unless the bottom of the eggs are at least 100, the average heat of the eggs is best obtained with the thermometer bulb just on a level with the center of the eggs—that is, a horizontal line through the center of egg and bulb will give the average. If now that is kept at 102, as near as possible, and the ventilation is so that the air cells are the right size, there is not an incubator of any description on the market which will hatch eggs at all but what will hatch without using any moisture when the weather is what we will call average weather, neither wet nor dry; but when the weather becomes so dry that the air is full of dust, and no rain has fallen for weeks, and even months, as I have seen it a few times in my life, then to hatch without moisture is somewhat of a job with any incubator. With any incubator t here are times when moisture is needed to get the best results, and there are times also that no incubator on the market needs any to get good hatches. Remembering that at all times the heat is to be right, because you can have eggs so hot that they would almost cook in a dry machine and still get good hatches in a wet one, moisture is about the only cure for overheating. If your machine is liable to run off and go up in heat at any time when you are not expecting it, then your best plan is to stick to the moisture pan; but if your regulator is absolutely reliable, and you can keep the heat exactly where you want it at all times then moisture or no moisture is merely a question as to the amount of ventilation, no matter what machine you are using. And this must vary to suit the varying conditions of the atmosphere, both as to weather and locality.

West Elizabeth, Pa.

This specimen of Blue Andalusian has won eight first prizes; as a pullet—at Mid-Continental, Southern Illinois, Kentucky, score 96; as a hen—Illinois State fair, Indiana State show, St. Louis, score 94¾ by Butterfield; at Chicago and Madison Square Garden, New York, 1899. She spent 110 days in exhibition coop, traveled 5620 miles.

SHOW NOTES.

The Whiteside County, Ill., Association will hold its next show at Erie, Ill., November 21 to 25, 1899. Theo. Hewes will serve as judge. Address C. W. McCall, Sec., Erie, Ill.

The first show at Blackwell, O. T., was held this winter. The second show will be given January 17 to 20, 1900, at Blackwell. Geo. M. Carson is secretary. He has carried B. P. Rocks and B. Turkeys into the new land. He deserves success.

The Crestline, O., Fanciers' Association will hold its second show December 12 to 16, 1899. The officers are: President, M. Curran; vice presidents, J. H. Eby, W. P. Deam; treasurer, W. D. Cover; J. K. Felch, judge; E. R. Warden, secretary, Crestline, O.

The American Black Minorca Club has chosen C. J. Andruss president; A. H. Gseller vice president, R. Story treasurer-secretary, F. J. Billard, R. F. Palmer, J. W. Garlick and J. Yelton executive committee. The club is in good shape. Those desiring to join may address Rowland Story, 187 Arlington ave., Brooklyn, N. Y.

The North Central Indiana Association is in gratifying condition. After paying all premiums and bills, it has a balance of $129.82. There are 50 active members. The seventh annual show is to be held at Kokomo, January 17 to 24, 1900. It will be an event of importance. The officers are: President, Lora C. Hoss, Kokomo; vice-presidents, H. A. Thornton, A. D. Weed, M. Kenworthy, Mrs. D. A. Stoner, A. Reese, C. D. Keeler, S. A. Noftsger; treasurer, Geo. W. Newell; executive committee, C. M. Barlow, W. W. Coles, Lee Albaugh, J. C. Bridge, Joseph Kreider; secretary, E. E. Sanders, Kokomo, Ind., to whom all letters should be addressed. Membership is invited.

The Mississippi Valley Association will hold its next show at Dubuque, Ia., the first week in January, 1900. F. D. Scharle, Sec., 96 Hart st., Dubuque, Ia.

National Fanciers' Association of Chicago

FRED L. KIMMEY, SECRETARY.

W. W. HOGLE, PRESIDENT.

L. B. RICHARDSON, TREASURER.

[OFFICIAL.]

The National Fanciers' Association of Chicago.

The regular annual meeting for the election of officers was held in the club rooms at the Sherman House March 1st. One hundred and six members responded to roll call. Much interest was manifested and the contest for some of the offices was spirited, though good-natured. The result was as follows:

President, W. W. Hogle; 1st vice-president, L. H. Fuller; 2nd vice-president, C. A. Damon; secretary, Fred L. Kimmey; assistant secretary, K. J. Muir; treasurer, L. B. Richardson.

Board of Directors—F. B. F. Rhodes, P. H. Sprague, F. W. Ward, M. Wagner, A. E. Brown, B. F. Hedges, J. C. Pratt, Wm. Plaehn.

It was voted to hold the next annual exhibition Jan. 8, 9, 10, 11, 12 and 13, 1900.

FRED. L. KIMMEY, Sec.

A lady at Bobeaygeon, Ont., asks what breed of fowls is best for laying purposes. We suggest, for that climate, the Plymouth Rock. Leghorns are unsurpassed in less rigorous climates, and with warm houses are all right in the colder sections; but the American class is better adapted to that region. Plymouth Rocks or Wyandottes are recommended.

The Ladies' Home Journal announces Ian Maclaren's new book, a series of popular articles.

A FEW THOUGHTS

That Pass Through my Mind that May interest the Readers of this Journal.

By T. F. McGREW of New York City.

While en route to Rhinebeck, N. Y., to talk on Poultry at The Farmers' Institute, held March 17 and 18, I had opportunity to study the pages of your March number. Nothing is more pleasing to one who labors with his pen than complimentary mention of his words by the editor of some journal of high standing; but when the editor feels a willingness to write the words on page 111 of your March number we must make public admission of our pleasure.

Since writing the essay mentioned, I have seen one lot of Barred Rocks, male and females, all bred from one pair, of quality so fine that they won fifth place in a class of eleven pens at the late New York show, showing in advance of six pens produced by the double mating system and proving my words already true that it can be done.

Several who are interested in the subject have written about their trials, some saying they have worked at it three years and then given it up. Why so soon? It has taken almost fifty years to do what has been done. Can we hope to turn aside the methods of so many years in three generations? No one should expect to do this; but men of high ability as breeders are at work on the problem, one of whom has quietly and unseen worked on the single mating lines until today he can say the tide has turned his way and the desired shade is almost a positive fact.

If these things could be accomplished as the smith shapes the horseshoe or the molder his sand, the real delight would be gone, and quality come as diamonds came to Aladdin by one rub of the lamp. Of the thousands upon thousands of Barred Rocks produced each year not to exceed one hundred of them can be called high class specimens. If we admit this as even moderate success in handling the stock, it is possible by the proper mating and handling of stock to produce the major portion high class specimens; but to do this our lines must be better known than today. It will not do to know the yard or strain that produced the specimen. We must know both sire and dam for generations back.

At the annual sales of thoroughbred yearlings, a colt from known producers will sell for a long price, but should one be offered whose blood lines run through a long list of performers no one can surmise the figure that will be paid for him. So must we learn to value real merit and make the best use of same. In other animals the best females of California are coupled with the wonders of New England, no obstacle can stand in the way of the union of high quality in

SINGLE-COMB BROWN LEGHORN PULLET.
First prize at Boston. Bred and owned by Geo. H. Burgott, Lawton's Station, N. Y.

race horses. The best on earth are united to produce the futurity winners, while we sell for a few dollars, in comparison to real value, the best of the year to go to the yards of some novice where their real value must be wasted for lack of opportunity. If the finest of all breeds could be united as they should be with our fowls no one can foretell the advancement that could be made. If one could select the six best of any variety produced last year and have them properly mated in pairs or trios, as might be done, then the proper foundation could be laid, but this endless process of improving by overcoming one bad feature by an over-plus of quality on the other side fills the product with hidden defects.

Thinking of your Chicago exhibition, prompts the thought that there should be an established winter show at Chicago each winter. Nowhere outside of our large cities can an exhibition of national importance be held. The mere mention of the Boston or New York Show carries with it importance. The same could be said of Chicago and Kansas City. It may take years to fully establish them on a paying, permanent basis, but when fully established they become a credit to the management. All should pull for and help to maintain an annual show at Chicago.

The question of gate money is the all-important feature. How shall we induce the people to come and pay their money? This they will do if some attraction can be provided to interest them. What can be done in one place can be in another, if the right features of interest can be found. Nowhere has this question had the attention paid to it that is given by the management at Boston. Each year something new is seen. Last winter a pen of baby pigs, to please the children; a pair of trained falcons from England, for the older heads; and more pretentious animals, like bear and leopards from the Zoo. This gave the daily papers some new feature of interest to write of each day. The result was a crowd thronged the show hall all day. Thus Boston can pay to its exhibitors over seven thousand in cash each year.

Hunt for any object that will interest the people of the locality. One has only to gaze upon the crowds that pay their money to see and be sold at Fair Side-Shows. Anything that will make the papers talk brings the crowd, and with them comes success. Study well these points in advance. Have them all in your mind long in advance, so as to be ready in time. Many things of no expense can be arranged that will do the trick and keep the turn-stile going.

What would the fancy be without the poultry exhibition? What would become of the poultry press without them both? The combination is like the fingers of our hand—one or any portion of same would be missed if gone. To be at its best all must be present, and willing for full duty. It is a combination necessary for success. Don't burst the pleasant ties that bind all into a pleasing union, but join hand in hand for success, knowing in advance that the show management will get the hardest end, no matter how successful the venture may prove. This has been the history of almost fifty years. We see no chance of a change.

No such winter has spread its mantle over the east for many many years. The snow has hardly gone by the middle of March. But few early chicks have come, where formerly many could be seen, of standard stock. We hope the continued confinement will not delay the early spring work. March 8 we saw over twenty-five hundred broiler chicks all less than a week old, in one long building. They looked contented in their snow-surrounded quarters. If one could have so early a start with Asiatics he might be a king-pin at the coming fall shows.

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Advertisers owe it to the media they employ to do their utmost to secure buyers after "inquiries" come in. Neglect to answer letters, or vague and equivocal replies, oftentimes defeat the purposes of an advertisement. The handling of "inquiries" is an important feature of such a business. Names thus obtained represent the effect for good that can come from any publication. It is the duty of the publisher to work his hardest to secure returns from an ad. It is the duty of an advertiser to secure sales. This makes advertising a common, or even a mutual, obligation.

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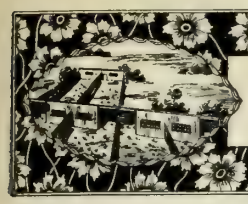
Specialty Breeders of Middletown, Ind., won at Chicago show on White Rocks, 4th hen 93½; 6th pullet 93. At Logansport, Light Brahmas, 1st cock, 93, cut 1 on weight, but weigh 14 lbs. now; 1st hen 94½, and four other birds 92½ to 91½, cut on weight. White Rocks: 2d cock 93; 2d hen 94½; and seven prizes on young stock 93½ to 90, out on weight. These are splendid records.

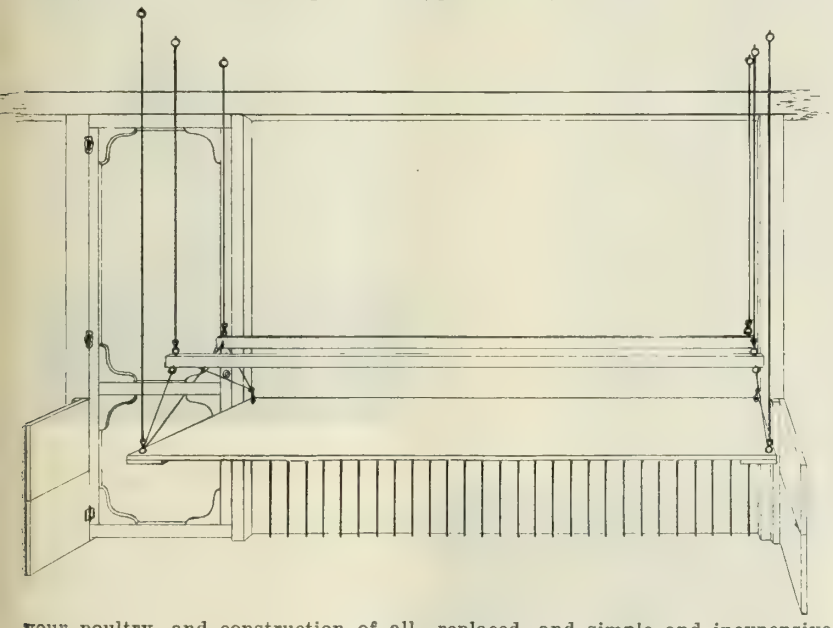


Poultry Houses and Fixtures.

Roosts and Droppings-board.

The accompanying sketch illustrates a handy method of supporting both the roosts and droppings board. The necessity of having everything possible about the poultry house movable, and of giving the fowls every available inch of floor space, is becoming thoroughly, and I believe, universally understood.

Poultry houses and yards need not be fancy, but they should provide to the greatest possible degree, such elements as are conceded to be absolutely indispensable, to the welfare of the stock. "Whatever is worth doing, is worth doing well." Put that method into practice in the management of your poultry, and construction of all buildings and accessories, and note the satisfactory results.



The accompanying sketch is self-explanatory, and regarding it I will merely add that the view is from the south side of the pen, looking toward the alleyway. The droppings board is supported on the side next the alleyway, by heavy hooks and screw eyes, the screw eyes being fastened into the studding. On the front side, it is supported from the ceiling. Picture wire is very strong and pliable, and consequently best adapted to the purpose; strong cord or small rope, however, may also be use, where picture wire is not available. The roost or roosts are suspended in the same manner (from the ceiling) and are stayed to prevent swinging, by wires and hooks, as shown. Droppings board may be hung at any desired height from the floor, and the nest boxes—located underneath where eggs may be gathered from the alleyway, or a grating can be put in, and the fowls fed the soft feed from a trough in the alleyway, as per drawing. It may of course be of any width or length to suit one's needs and should be built of matched lumber. The advantages of supporting roosts and droppings board in this manner, are: the floor space is unobstructed, thus greatly facilitating cleaning out the pens. They are readily removed and replaced, and simple and inexpensive to construct. And by painting the hooks and eyes frequently with liquid lice killer, one may successfully combat lice and mites. In cases of unusually long droppings boards, they may need a brace lengthwise along the under side to prevent sagging. Or an additional hanger will answer the same purpose.

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H. S. Godfrey, Rockford, Ill., has issued a highly artistic catalogue of his fowls, showing his Light Brahmas as they actually appear. Such work is to be commended in every sense. The booklet should be in the hands of every fancier.

AMONG OUR ADVERTISERS.

Sprague Commission Co., 218 South Water st., Chicago, announces Pike's Lice Destroyer as a satisfactory article. It is guaranteed to do the work. Send for circular and mention A. P. J.

The Sunny Slope Poultry Yards of Compton, Ill., is prepared for a big trade in eggs. Their ad in another column describes the grand matings that they have made.

Charles J. Stuckey. Mechanicsburg, Ohio, has Buffs in Rocks and Leghorns and also B. P. Rocks. His beautiful catalogue fittingly describes his fine birds. Send for one of them and you will want some of his stock.

G. G. Wherry, Galena, O., has Silver Spangled Hamburgs and Silver and Golden Wyandottes. A list of testimonials shows that his customers are pleased with his stock.

Geo. Stahmer, Oak Park, Ill., sends us feathers from his Rose-comb Brown Leghorns which indicate high-quality birds. He won 2d at Chicago on hen. He offers eggs. Mention A. P. J. on responding to his ad.

Fred E. Baldwin, Ottumwa, Ia., has purchased the entire stock of Buff Plymouth Rocks from H. S. Merrick, including good will. The birds include winners at Mid-Continental, 1895, and stock from them, averaging 91¾ by Russell; two cockerels and one cock. These are famous specimens, on foundation from Judge Russell's pens. There are also some W. P. Rocks, R-c. B. Leghorns, S. S. and G. Hamburgs and Buff Bantams.

Louis W. Mittendorff, Lincoln, Ill., has issued a very readable circular, which all who admire Buff Plymouth Rocks should send for. He has some grand matings this year and is in the work because he is a true fancier and business man.

J. C. Brown, Campbellsburg, Ind., is a lover of Rocks. He holds prizes and score cards from New Albany and Louisville shows, and his stock is of the "90 and better" class. He has been Monon and Am. Exp. agent for 12 years. That shows his own "score."

Fred. F. Willis, formerly of South Bend, Ind., has changed his location to New Carlisle, Ind. Mr. Willis is an A. P. J. advertiser and writes he has secured a fine place to handle his poultry plant and is prepared to increase his business. He has bred Barred Plymouth Rocks for some time and is going to offer eggs for sale "cheap," quality considered. Mr. Willis's stock is of the best blood obtainable and he practices almost a standard mating. Mr. Willis was formerly secretary of the South Bend Poultry and Pigeon Association. We refer readers to his ad on another page.

C. B. Huff of Delaware, N. J., commences a yearly contract for advertising with us this issue. Mr. Huff has Light Brahmas and Barred Plymouth Rocks with a hard record to beat, as his ad clearly shows. He has several other varieties in his yard and will sell eggs and guarantee satisfaction.

Lewis C. Beatty is working night and day in the chicken business, shipping blooded fowls, and eggs for hatching to all parts of the world. On one day in 1899 his sales amounted to over one hundred fowls.—Washington (N. J.) Star.

THE AMERICAN HOUDAN CLUB.

History of the Origin and Development of "an Intensely Practical" Business Organization—Examples of What has been Done to Reach the Full Score—List of Officers of the Club—Purposes and Accomplishments—Merits of the Breed Defined.

By Thos. F. Rigg.

The American breeders of Houdans are now an organized body. The club is an intensely practical business organization. It offers no apology for its existence. It believes in itself and its aims and objects, and holds, without qualifications, that these aims and objects are worthy the support and consideration of all men interested in the betterment of commercial standard-bred poultry. It is doing and will continue to do good; and doing good in

FRANK W. McKENZIE, President,
Concord, Mich.

this world of ours is the best thing any man or set of men can do. It pays the best dividends—absolutely the best and most satisfactory.

The American Houdan Club was organized upon the solid and unmovable basis that the Houdan stands among the most practical and profitable fowls of the many excellent breeds recognized by the American Standard of Perfection. That is a sure basis upon which to build. It is not a foundation of crumbling sand, but of rock, as lasting and eternal as any great truth. I speak with knowledge when stating that I know the thoughts and hopes and desires which actuated the men who completed the organization of the club. Its ancestry and breeding are all right. To be born right is a great blessing, and this advantage of birth the American Houdan Club possesses. I was there at its birth and know it is a good child. Its official roster and membership is made up of men and

D. C. TREW, 1st Vice-President.
Lindsay, Ont., Canada.

women who have been prominent in the poultry industry for years—breeders who have the endorsement of the people. It is the exponent of no one man or set of men. It occupies ground above and beyond the interest of any man, and its sole object is the promotion of the Houdan and its honorable breeders. It is not necessary here to review at length the benefits to be derived from membership in the club. To every intelligent breeder the benefits which must accrue are apparent. The club member has all the advantage as a breeder and seller of stock. He is brought into close touch with the Houdan fraternity. His ability and disposition to send out only good stock, and to fulfill his every promise to the letter, is vouchsafed by the club. The moment a member fails to do business rightfully he is dismissed from the organization. The club thus protects and furthers the business of every honest Houdan breeder. It has

F. A. ROWSELL, 2d Vice-President.
Lorin, Call.

created, and will continue to do so, a great and renewed interest in the Houdan. I not only invite, but earnestly urge, every reliable Houdan breeder in America to unite with the organization.

The Houdan is not the best fowl on earth, but it is the equal of the best. It is an intensely practical fowl. As an egg-producer it is equaled only by the Leghorn. Its small comb is rendered practically frost-proof by protection given by the crest, and for this reason it has no superior as a winter layer. In this connection I will give reports of a few Houdan breeders as to the laying qualities of their stock, the number being the average per hen during the year:

H. F. Quiggle, Rapid City, S. D., 184.

Rev. C. E. Peterson, Pemaquid, Me., 176.

Mrs. H. L. Keeler, Plymouth, Neb., 181.

D. C. Trew, Lindsay, Ontario, 186.

These records, please note, were made in very cold and long-winter localities. F. A. Fowsell, Lorin, Cala., testifies that his flock of Haudans averages 185 eggs per hen a year. Such

REV. CARL E. PETERSEN, 3d Vice-Pres.
Pemaquid, Me.

reports from extreme quarters of our country show the cosmopolitan nature of the Houdan, and demonstrate how readily it adapts itself to any and all climates.

As a market fowl the Houdan is unsurpassed. It develops very rapidly and comes to broiler size earlier than any other breed, with the possible exception of the Indian Game. A Houdan carries a wonderful amount of breast meat, and is approached in this respect only by the Dorking. In well-bred stock cocks weigh from seven to eight pounds, and hens from six and one-half to seven pounds. Then, again, the Houdan is easily kept, being an active fowl, seldom affected by disease, and a very small eater. In a word, the "Immigrant from France" is an ideal all-round good fowl.

As a fancier's fowl it occupies a very enviable position. The Houdan is an extremely beautiful fowl. Every one admits that. It is in great demand at very good prices. I have bred them for 25 years, and each year the de-

THOS. F. RIGG, SECY-TREAS.
Iowa Falls, Iowa.

mand for breeding and exhibition stock has increased. They appeal alike to those who are seeking profit in market poultry, and to those who are fanciers in the strict sense of the word—admirers of the beautiful in nature. They are in the "combine" always, and everybody wants them. I love them for their great commercial worth and rare beauty. They are in every way a satisfactory fowl, and there is both pleasure and profit in breeding them. The American Houdan Club will still further advance their popularity.

The officers of the American Houdan Club are:

President. Frank W. McKenzie, Concord, Mich.

Vice-Presidents—First, D. C. Trew, Lindsay, Ontario; second, F. A. Rowsell, Lorin, Cala.; third, C. E. Petersen, Pemaquid, Maine.

Secretary-Treasurer, Thos. F. Rigg, Iowa Falls, Iowa.

Executive Committee—James Forsyth, Owego, New York; J. B. Thomas, Jr., Norwalk, Conn.; W. A. Roberts, Kansas City, Kans.; A. Wookey, Peoria, Ills.; Norman Nelson, Ft. Worth, Texas; S. D. Lance, Troy, Ohio.

The State Vice-Presidents and members are:

Alabama—V-P., T. F. Aldrich.

California—V-P., S. R. Hemmingway, Redlands.

Connecticut—V-P., Geo. H. Daines, East Litchfield; H. L. Sykes, New London; F. A. Gray, Norwalk.

Central America—V-P., Carlos Penna, Granada, Nicaragua.

Illinois—V-P., John M. Wise, Freeport; J. I. Delancy, Elgin; I. Colby, Russell; L. B. Richardson, 87 Washington St., Chicago.

Iowa—V-P., W. P. Briggs, Hartly; E. W. De Witt, Knoxville; Mrs. A. Cocroft, Independence; C. A. Ralph, Osceola; Chas. Greenway, Le Mars; Alvah Negus, Mason City.

Kansas—V-P., A. E. Myers, El Dorado.

Mexico—V-P., Alemandro Rivas, City of Mexico, Caliseo Veiji, No. 20.

Manitoba—V-P., Samuel Wise, Winnipeg; J. G. Nicol, Virden.

Maine—V-P., V. Scoville, East Lebanon.

Maryland—V-P., Miss Ella Haney, Woodside.

Massachusetts—V-P., A. W. Tyler, Peabody; W. A. Rogers, Willimbton; Dr. J. S. Bonney, Wakefield; D. P. Shove, Fall River.

Michigan—V-P., Ralph Hoge, Hubbardston; W. H. Seebert, Petoskey; I. H. Ream, Coral.

Minnesota—V-P., John Kirby, 1560 Laurel Avenue, St. Paul.

Missouri—V-P., C. L. Hepp, Moberly.

Nebraska—V-P., Joe Thomas, Tekamah; L. L. Fisher, Geneva.

New Hampshire—V-P., L. H. Burpee, Antrim.

New York—V-P., Daniel Pinckney, South Onondaga; Boudinot Keith, 111 Broadway, New York City; H. D. Thompson, Wheeler; Geo. A. Hobert, Chittenango; W. A. Widger, Baldwinsville.

Ohio—V-P., A. J. Bargahiser, Rockford; Chas. Hopper, Ashley; John B. Peelle, Bloomington; C. A. Horn, Plaine City.

Oklahoma—V-P., W. H. Roby, Oklahoma City.

Pennsylvania—V-P., W. A. Weis, Wilkes Barre.

South Carolina—V-P., G. M. Armstrong, Aiken.

South Dakota—V-P., H. L. Quiggle, Rapid City; Joe G. Rigg, Plankinton.

Washington—V-P., Martha Miller, Spokane.

Wisconsin—V-P., Ed. L. Schmeidermann, Lake Mills.

Indiana—V-P., Thos. Gregory, Fontanette; J. A. Wintz, Morris.

New Jersey—V-P., Dr. M. J. Whitfield, New Market.

Louisiana—V-P., A. H. Warley, New Orleans.

Idaho—V-P., J. W. Stevens, Boise City; P. B. Shawhan, New Plymouth.

"BERYL"—HOUDAN PULLET, LINE-BRED BY THOS. F. RIGG, IOWA FALLS, IA.

An exhibition pullet; sired by "St. Elmo," dam "Diana." Evenly mottled all over, showing the necessity of keeping the male line darker than standard requirements. Score $95\frac{1}{4}$.

A FALL SHOW.

I am in receipt of a letter from our worthy Vice-President, Rev. Carl E. Peterson, Pemaquid, Maine. He says:

"Let me suggest that some central point be selected, during early fall; that is, I mean some show, where the entry fee is not too large, and that members of the club be invited to exhibit at that place; special prizes to be furnished by the club and voluntary offerings, the conditions being:

"First—That the American Houdan Club will exhibit at some central location.

"Second—That the show shall take place in the fall, for the reason that no member will object to sending valuable birds, for a long distance, at that time of the year.

"Third—That the secretary of the show be instructed to arrange for the special care of the Houdan exhibit.

"Fourth—That the club is to choose, and to pay, if necessary, the judge.

"Fifth—That special prizes, such as cups and ribbons (marked Houdan Club) be furnished by the club.

"Sixth—That the score card be used at this show."

I have heard from a number of members regarding this matter, and all are heartily in favor of the plan. We are

at work on this deal, and fully believe it can be made to "go."

THOS. F. RIGG.

ANENT THE HOUDAN.

In the summer of 1869 the editor of American Poultry Journal made his first essay with pure-bred poultry. At that time he was residing in the northern part of the lower peninisula of Michigan—a region then famous for its deep snows in winter. The climate was scarcely suited to the more delicate breeds of fowls. Still, he accepted the situation as it chanced to exist and attempted to gratify his taste with the then comparatively new breed—the Houdan. Eggs of the imported stock sold at $20 the sitting. From this expensive nestful came a trio of as hardy and beautiful birds as any fancier could desire. They lived and waxed prosperous in their adopted home. After a time their owner removed from Grand Traverse, leaving his pets in good but not fanciers' hands. The royal stock was placed in the yards of one who had "just hens." The blood of that trio entered into the poultry of that entire region, and last summer we saw some fowls in that section which were decidedly recognizable. Thus it chanced that a single trio of fine birds has influenced the poultry of a large area—one that has meanwhile grown from a forest wilderness into a most productive argricultural garden—and still remains "prepotent" after thirty years. We give in this issue a history of The American Houdan Club, and we greet the members as brothers in a good cause. The Houdan was our first love in poultrydom. We rejoice that "an intensely practical business organization" bears the name of the beautiful and profitable Houdan.

President McKenzie, of Concord, Mich., informs us, by letter, that the American Houdan Club is about to issue its first catalogue, a work of art, with articles by members, list of members and addresses, constitution, half-tone cuts of officers, two ideal cuts of Houdans by a noted sketch artist, and one half of a 52-page catalogue devoted to advertisements, embellished with cuts of these birds, home, or self. The work will be in press by June 1st, and in the hands of those most deeply interested by July 1, 1899. One thousand copies will be issued. If interested in Houdans, write the secretary or president about this commendable undertaking.

In order to ascertain the present status of this breed in the United States we sent inquiries to a large number of Houdan fanciers, and herewith give the results of that effort, the name and address of the respondent heading each opinion:

Daniel Pinckney, South Onondaga, N. Y.—The Houdan is very domestic and the finest fowl for the table. I have had one hen lay 91 eggs in 100 days. The fowls, at a little distance, look like a garden of flowers, with their waving crests and beautiful plumage. No breeder of fancy poultry is ever disappointed in them.

John M. Wise, Freeport, Ill.—After years of practical experience the Houdan is my favorite. The breed combines attractive fancy points with most useful qualities, with great vigor; a union of utility and beauty.

C. A. Horn, Plain City, O.—Twenty years ago I commenced to breed Houdans, and at intervals since have tried other kinds. But having satisfied myself that there was nothing like the grand old Houdan, I returned to my first love and am again raising beauties from "Pinckney" and "Forsyth's" best. And for eggs, table, or beauty, there is no breed of fowls that can compare with them.

W. A. Rogers, Wilmington, Mass.—The Houdan in the East is gradually gaining in favor with breeders. I believe they are learning to appreciate the merits of this excellent breed. I have proven their domestic qualities as well as their attractiveness in the show room and elsewhere.

John Kirby, 1560 Laurel Ave., St. Paul, Minn.—The greatest of all French fowls is the Houdan. The man whose aim is pointed toward utility asks for no better. And, for the fancier's part, they are his favorites. They are the greatest all-purpose fowl that lives. For the table they are second to none and lay an abundance of large eggs.

A. F. Hutchings, Aldrich, Ala.—As a table fowl, as a paying strain, and as a thrifty, healthy chicken, the Houdan is second to none. Of all the pure breeds the Houdan is the most handsome.

Henry L. Sykes, Alger Place, New London, Conn.—I started raising Houdans in 1876 and have tried most of the other breeds, but like the Houdan the best. They are gentle and quiet and stand confinement well. Are one of the best table fowl; good layers of large white eggs; small eaters and a handsome bird.

D. C. Trew, Lindsay, Ont.—I have been breeding Houdans for over 23 years and have yet to find any variety I like as well. They are splendid table fowl, having fine, close grained white meat in great abundance and are excellent egg-producers, laying the largest egg of the non-sitting breeds. They are very much admired in the show room.

H. D. Thompson, Wheeler, N. Y.—I have bred Houdans for the last eight years and consider them of as much value as any of our standard breeds. As layers they are equal to any and better than many breeds. For table use they are unexcelled. To all breeders of poultry I would say there is money in Houdans.

Geo. C. Hobart, Chittenango, N. Y.—I have kept Houdans on a farm of one hundred acres for the last 20 years. There is no better fowl for the farmer or fancier. They are a fine table fowl, and the greatest layers on earth. I want no better breed.

Rev. C. E. Petersen, Pemaquid, Maine.—The non-sitting, all-purpose fowl, for utility, for fancy, for everything that is good in a fowl, you will

"DIANA"—HOUDAN HEN, LINE-BRED BY THOS. F. RIGG, IOWA FALLS, IOWA.

Four years old, weight 6¾ pounds. Mated with very dark males has produced pullets with scores of 93 to 95 and cockerels with records of 92 to 94. Score 95.

"THE DUTCHESS"—HOUDAON HEN, LINE BRED BY THOS. F. RIGG, IOWA FALLS, IOWA.

A typical breeding hen. Very dark; weight 7 1-4 pounds. Long in back and deep in body. Seemingly small crest, but it is very compact. The offspring of this hen and medium dark to dark males have approached very nearly the ideal breeding birds—away above standard weight, and carrying the proper shape and dark markings. Her beard is extremely large. Note size and strength of legs.

find it in the Houdan. The weight of adults is from 6 1-2 to 8 lb., in which the bones figure one-eighth. They are robust, and eggs large and numerous and invariably fertile; also they are small eaters.

Samuel Wise, 633 Ross Ave., Winnipeg, Man.—The Houdan while it is a general favorite with the fancier, also appeals strongly to the utility man, with its deep, compact body and large white eggs. I have always found it unexcelled for the table, the meat being very fine and white. It is a most admirable bird for farmers for crossing purposes, producing crosses that are grand layers and table fowls. I can strongly recommend Houdans to everyone.

Chas. H. Howard, 409 Boston Blk., Minneapolis, Minn.—I am a busy lawyer, in a large city; don't like store eggs; abominate market dressed poultry; am a thorough chicken fancier. I breed chickens for fresh eggs, continually; plenty of finest meat; quickest maturing broilers; and withal, birds that in shape and plumage are pleasing to the eye. And of the very large number of varieties tried I have finally selected Houdans and Cornish Indian Games.

Wm. A. Weis, 70 N. Hawk St., Wilkes Barre, Pa.—I have bred Houdans 11 years and find them hardy, and one of the most profitable table and market fowls. They mature early and are persistent layers. The breast meat is larger than in most varieties.

W. A. Widger, Baldwinsville, N. Y.—I raise Houdans because they are a profitable fowl. They lay larger eggs, are of large size and are non-sitters. Besides, they are beautiful.

Jos. Thomas, Tekamah, Kan.—Houdans are excellent winter layers and are unexcelled as table fowls. They stand confinement, and are attractive.

L. B. Richardson, Chicago.—I regard the Houdan as neck and neck with leaders for supremacy both as layers and for table qualities, and know of no fowl that combines both to greater degree, to say nothing of their characteristic beauty and hardiness. Being extremely docile, are well adapted for use of city fancier with limited space.

A. L. Schmeidermann, Lake Mills, Wis.—I regard the Houdan as possessing more good qualities than any other popular breed. They are hardy, bear confinement, are good for table and eggs and are beautiful.

Thos. F. Rigg, Iowa Falls, Ia.—The Houdan (pronounced Who-dan, with slight accent on last syllable) is a fowl which people want. I have sold over $1,200 worth of stock since Nov. 1. The demand proves that this breed is intensely practical.

Ralph Hoge, Hubbardstown, Mich.—The Houdan has a great many admirers and is truly a valuable breed. They have two extra good qualities. They lay a large number of remarkably large and handsome white eggs. They rank as first class table fowls, mature early and attain good size. They are very hardy. Their eggs hatch well. The little chicks are very handsome and easy to raise.

David P. Shove, Fall River, Mass.—The Houdan is in the front rank for eggs, table, or show room. They are always at work. They are hardy and long-lived, often reaching 8 or 10 years. They are especially fine as a fancier's fowl.

I. W. Stevens, Boise City, Idaho.—I find the Houdan second to none as layers in this climate. They stand confinement. As for table and eggs, as well as for ornament, the half has never been told in their praise.

H. F. Quiggle, Rapid City, S. Dak.—The Houdan is most excellent as an all-purpose fowl.

Frank W. McKenzie, Concord, Mich.—Nine-tenths of the best breeders of the Houdan are known to our officers, and this knowledge has sold nearly every good Houdan that was for sale. The club is doing a grand work.

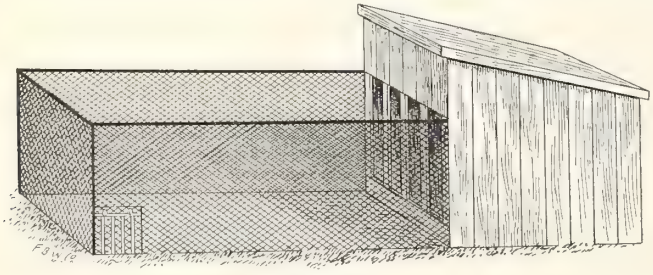
Summary.—We find but one report in all the list that is adverse. This comes from a man in Kansas. The other reports agree on the essential points and prove the value of the Houdan.

THE FANCIER IN THE POULTRY YARD

BY THOS. F. RIGG.

At the religious congress held at Chicago, a few years ago, a noted theologian made the remark that "there are as many roads to heaven as there are men to travel them." He is a devout divine, and meant that each and every man has his own peculiar idea as to what constitutes true religion, and of which is the right and the wrong way of doing things in this world. So it is in poultrydom—each breeder has his own idea as to what is the best method of cooping and feeding chicks. In common with all breeders I have my way, and if I have been, or shall appear to be, very positive in my conclusions, in these columns, please consider that the method pursued has been very thoroughly tried and found not wanting.

April showers do more than bring forth May flowers—they cause the death of a vast number of chicks. During this month the weather will be very changeable, and cold rains will be frequent. It is in the cooping of chicks that most people make mistakes. The chicks, during April in particular, need to be so cooped that they can have a light, warm and dry run, under cover, during stormy days—not kept confined in small, dark boxes at such times. The problem to be solved is how to keep the chicks growing all the time. There can be no temporary set-back in a chick's life. The chick that receives a set-back, no matter how slight, is relegated just so many points to the rear. It can never regain what has been lost.



BROOD COOP.

Herewith is given a cut of a brood coop which has been adopted after years of study and trials. Maybe this coop can be improved, but I do not know in what way. It has proven to be all that is desired. This coop is three feet deep, two feet wide and two and one-half feet high. It is made of lumber, smooth on inside and outside. The slant to the roof is slight—just enough to turn water—the idea in this being to give as much space inside as possible, thus giving the chicks better air. The bottom of the coop is made so it can be removed, this being done from the rear. Every day the bottom is removed and thoroughly cleaned. There is a door in the rear—tight, not slatted. The run-way to coop can, of course, be made any length desired. Mine is three feet long. This run-way is covered with one-inch wire netting. A movable roof, which will shed water, covers the run-way when rain is falling. It can be lifted and set aside during fair weather, thus allowing the sun to penetrate the coop. We must have some sunshine in the coop part of the day; and during cold days in the early spring, when the chicks are confined to the coop, the sunshine is very essential. For these reasons the roof of the run-way is made movable.

Not only is this coop a model home for a hen and her brood, but serves its purpose as well when the chicks are larger grown. It is in the true sense a fancier's coop. Now, as to the advantages of the covered run-way: For the fancier it seems indispensable—particularly so for the fancier whose ground is limited. In this run-way each brood can and should be fed separately. There is no crowding—no tramping of smaller chicks by larger ones. Each brood is well in hand, and can be fed as required. The fancier who is doing his hatching by means of hens can not, of course, get all of the year's product out at once, and this kind of a coop obviates the promiscuous mixing of the broods of various ages. The chicks at night are absolutely safe from attacks by vermin of any kind, not even a rat being able to enter the coop or run-way. There is no worrying about the chicks, and the satisfaction a fancier thus derives is alone "worth the price." In the run-way is kept a box of grit, also a box of charcoal. The small door in the run-way is closed at night, and the chicks released, if the weather is right, after feeding in the morning. The coop and all woodwork on the run-way is kept well painted.

As to the feeding of the chicks I can but say that the method heretofore given will be pursued until something better is offered. We are all learning something new about how best to feed chicks—learning something every day—and no set rule can be given as the best. Here, too, fanciers widely differ, and no one man has a "best way" for everyone, although his way may be the best so far as he is concerned. One thing I know, absolutely know, and that is that chicks brought up on dry food and a variety of grain, such as wheat, oats, millet and cracked corn, will do far better than if fed on wet and sloppy foods.

I have said so much about the necessity of keeping a record of our breeding that I fear The Journal readers will consider anything further upon this subject as being wearisome. But this matter of line-breeding is of

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Poultry Do Have

These diseases. The first is what diphtheria is to human beings, and closely allied to that disease. *Symptoms* are, sneezing like a cold; slight watering of the eyes; running at the nostrils, severe inflammation in the throat, canker, swollen head and eruptions on head and face. **A breeder of fighting game** fowl which from their habits, are more liable to roup than others, gives us a **TREATMENT,** which he says is a **Positively Sure Cure for the**

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vital importance. Here is a case in point: In remitting for eggs for hatching Albert Dow, of Glendale, California, under date of February 24th, wrote:

"If you can practically and conveniently do so, I wish you would keep a record of these eggs, so that when I buy of you a bird for breeding you will be able to send me such stock as will best serve me."

This man will succeed. There is no doubt as to that. He is breeding scientifically, not at random. Of course his request as regards the keeping of record was complied with. In fact, such a record is kept of every egg sold from and set in my yards. I can find, by reference to my record book, the pen from which Mr. Dow was given eggs, and the breeding of the stock in this pen for years back. When he buys a bird of me in the future I will be able to send him one that will best breed with his stock. In a word, Mr. Dow will be able to closely and properly follow line-breeding. As a result he will produce good stock, and I will always have a good friend and advocate in him. That is the way to make the business not only pleasant but profitable. The good will of a fancier's business is valuable. He should guard it carefully, and build it up as he increases the business. Every true fancier will find a great deal of food for thought in Mr. Dow's request.

WHITE PLYMOUTH ROCK COCKEREL—Bred and Owned by U. R. Fishel, Hope, Ind.

SOME STANDARD ABSURDITIES.

The way to get rid of an unfair or absurd law is to enforce it.

In Poultrydom, the ridiculously named Standard of Perfection is the Code. There can be no standard of perfection or anything else that is based upon indefinite ideas and changed with every passing whim of those who make the rule.

It would be more consistent if the American Poultry Association were to christen the Book of the Law "A Struggle Towards a Fixity of Ideals, with a View to Some Day Reaching Something Which Can Be Called Perfection."

The fact is, a Standard is impracticable, for the reason that there is no singleness of ideal in the minds of judges and fanciers. The book we call "Standard of Perfection" is a collection of arbitrary opinions held by a majority of a very small committee in each class; while the great mass of breeders hold a variety of different opinions.

Besides, this book with a high-sounding title is a typical weather-cock, turning under the influence of every passing breath.

The mission of American Poultry Association is not to make a Standard, however; but to create a wider influence for the good of the poultry industry. Its promulgation of a Code is only an incident—although an essential one—in the work undertaken by its members. The association is, indeed, the germ in the egg. It is the evidence of fertility in the undeveloped body politic of the fraternity. No one can tell exactly what sort of bird will issue every five years; and as surely as the lustrum rolls around, so surely will we see men trying to straighten the crooked back and twisted tail of the chick Standard. Some even try to pull the disqualifying feathers, and put the infant on its feet in the great show room. But no Standard has been—perhaps none ever will be—issued that is worthy of its name.

Still, imperfect as it is, this book has a purpose, and serves a beneficial end. In spite of the handicapping conditions, it is accepted as the best result of commendable effort. Fanciers are fanciers because they fancy their own ideals. They wouldn't be true fanciers if they accepted other men's notions.

It is this warfare of opinions which keeps alive the interest in competitive displays. If shows were to be done away with, the higher concern in poultry would soon die out. Men must fight for their ideals.

But in this contest, as in the building of a Code, there should be a recognition of one fundamental point, namely, the admission that Nature knows a little something about fowls. The real object of the Standard of Perfection should be not the demonstration of how varied and defiant of Nature a bird can be made to become, but rather how perfect the natural proclivities can be shown.

That is to say, "in Adam's fall we sinned all," and the birds we see are but parodies on Nature's original. Man has neglected the feathered race. He seeks to reform it. So, instead of

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A few good cockerels and pullets from prize winners yet for sale. I am mating for my first yard this season a 93 point cock, scored by Pierce, with females ranging in scores from 92 to 94½. Second yard a 91½ point ckl. with females each with a score of 90 or better. Eggs from first yard $2 per 13; second, $1.25 per sitting. Write. W. L. Mills, Clear Creek, Ill.

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American Buff Plymouth Rock Club's Silver Cup, for Indiana, awarded S. E. McIntosh, Hardinsburg, Ind., at Southern Indiana Show, 1899, on best cock, hen, cockerel, pullet and pen. I. K. Felch, judge. Won all firsts on Buffs.

getting correct information as to what Nature desired to do, he grows "artistic" and tries to make the bird after man's own notions.

T. F. McGrew has a paper on "Color Disqualifications" in The American Fancier, which we quote from liberally, in support of this somewhat radical fulmination. Mr. McGrew is one of those intelligent fanciers whose skill with the breeding pen is supplemented with his facility with the steel pen. He says:

"The real beauty of all fowls is their breed characteristics or form that belongs to each breed and a true surface color to conform to the variety of which it belongs. The continual hunting under the surface for little faults of color is an Americanism for which no good reason can be advanced.

"Our Standard claims that size for a Brown Leghorn shall be worth four points more than weight; the same section in Asiatic. In the face of this more value is placed on a striped saddle than on size. If all value of color in back was allotted to saddle, it could only count four points. If size is worth one-tenth of the bird and of more value than in our large breeds, why allow little miniature Leghorns, with shanks as fine as a knitting needle, to win on color alone? Leghorns are valuable fowls and could outrun almost any breed in the utility race if not hampered by requirements that will compel such close inbreeding to secure that size and egg producing qualities will be destroyed.

"From all over the country comes the murmur of disapproval as to the wording of the Standard as to the disqualifications of Brown Leghorns. We took part in the framing of the new Standard. At the time we objected to color disqualifications, believing them to be an injury in all cases when applied, but having been out-voted, now stand ready to shoulder our full share of the responsibility for or against the best interests of the breeds affected.

"At the same time, we now believe such questions should be fully considered by all in a way that may lead to a better and stronger Standard for the future.

"Under the new law all the most valuable specimens for the breeding yard will be disqualified. In all Black Red varieties the best females come from sires with very much undercolor. Why should we select the very foundation as a disqualification? Why go hunting behind the most beautiful surface for some shade of color to use as mud to utterly annihilate the only real value color can have—the beauty as seen by the eye. Color disqualifications are simply a club in the hands of a judge to be used under the most stringent order, often to kill the chance for winning of many specimens of far more value than the one that may win.

"In Black Langshans the color disqualification is simply ostracism for three-fourths of the whole race, and often the best of the whole is cast aside for just one-half inch of white on one feather. If we could count the whole number of inches contained in the plumage of a Langshan and then calculate how small a portion of one per cent we allow to disqualify, we would laugh at our own folly.

"As to Brown Leghorns, the burden

is heavy. Shanks other than yellow, white in the face of cockerels or pullets; this latter clause admits this defect comes with age. An early hatched pullet of 1898, perhaps the best of the year, is swept aside by one of inferior quality, the only cause a defect of maturity. Of the many thousand Brown Leghorns produced each year, how few we see, even in the show room, that could not be punished for lack of color in legs. How consistent. 'Shanks other than yellow' turns down a Brown Leghorn to which nature would allot legs of another color. Blacks have but little more chance, while yellows have the advantage over them all. Far better to disqualify for lack of size and breed characteristics in all varieties rather than placing a premium on adeptness at finding a shade of gray in any part of plumage."

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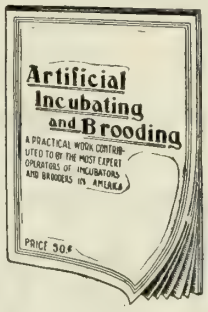

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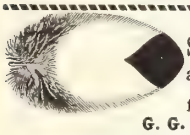

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Moses' Buff Plymouth Rocks.
When you pay your money for eggs to batch you naturally are trying to improve your stock. My Buffs are bred from the best strains in U. S. Try them; you will not be disappointed. Eggs $2 per 15. Member Am. Buff P. Rock Club. Anconas—Branthoovers strain—$2 for 15 eggs. LaFleche—that are fine—$3 for 13 eggs.
C. W. MOSES, Dunkirk, Ohio.

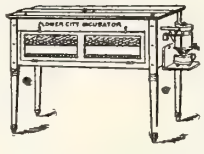
BLACK LANGSHANS.
200 Head For Sale.
Won at Danville 1897, and Illinois State Show at Danville, 1898 and Dec. 28th and 31st, 1898. Scored by Russell, Hewes and Pierce. Eggs $2.00 per 15, $3.00 for 30; money returned if not satisfied.
W. M. MAYER,
824 E. Main st., Danville, Ill.

Empire State Farm.
BROWN LEGHORNS, ROCKS, Buff and White.
GEO. H. BURGOTT,
BROWN LEGHORN SPECIALIST,
NEW YORK AND BOSTON WINNERS.
Lawton's Station, N. Y., U. S. A.
Eggs for Hatching, $2 per 13.

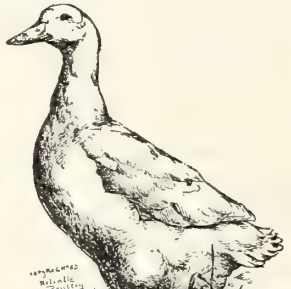
WHITE WYANDOTTES, Only.
Eggs that will hatch a specialty. From stock that are as good as can be found anywhere at any price. They have never had roup or any other disease. They are beauties and will please the most critical. Eggs 13 for $1.50, 26 for $2, 50 for $3, 100 for $5. Reference Havana National Bank.
HARRY HILL, Box 327, Havana, Ill.

1884 ◆◆◆◆ 1899
Skinner's Cochins
Thirteen Premiums on Buff and Partridge against the strongest competition in the world.
I also breed the choicest Light Brahmas, B. P. Rocks, Bronze Turkeys. The sharpest Grit, 50 cents per sack of 150 lbs.; 500 lbs for $1. Eggs $1 to $5. Send for Catalogue showing 20 birds by Photo. ***O. E. SKINNER, Columbus, Kas.***

Incubators on 30 Days Trial



Thousands of these in successful operation, most profitable money makers in existence. All machines are equipped with the very best latest improvements. Large illustrated circular 5c. Large valuable catalog. 10c. Address,
Flower City Incubator Co., Rochester, N. Y.



Hallock's Pekins
are among the first on the market, are sought for by the trade, command the highest prices and give the best of satisfaction in every way." And it's the same story in the show room—the proof is the long string of blue ribbons they've won at New York, Boston, Washington, D. C., and other shows. Breeders are now ready at money-saving prices. A free booklet gives the particulars.
A. J. HALLOCK,
Box A. Speonk, L. I., N. Y.

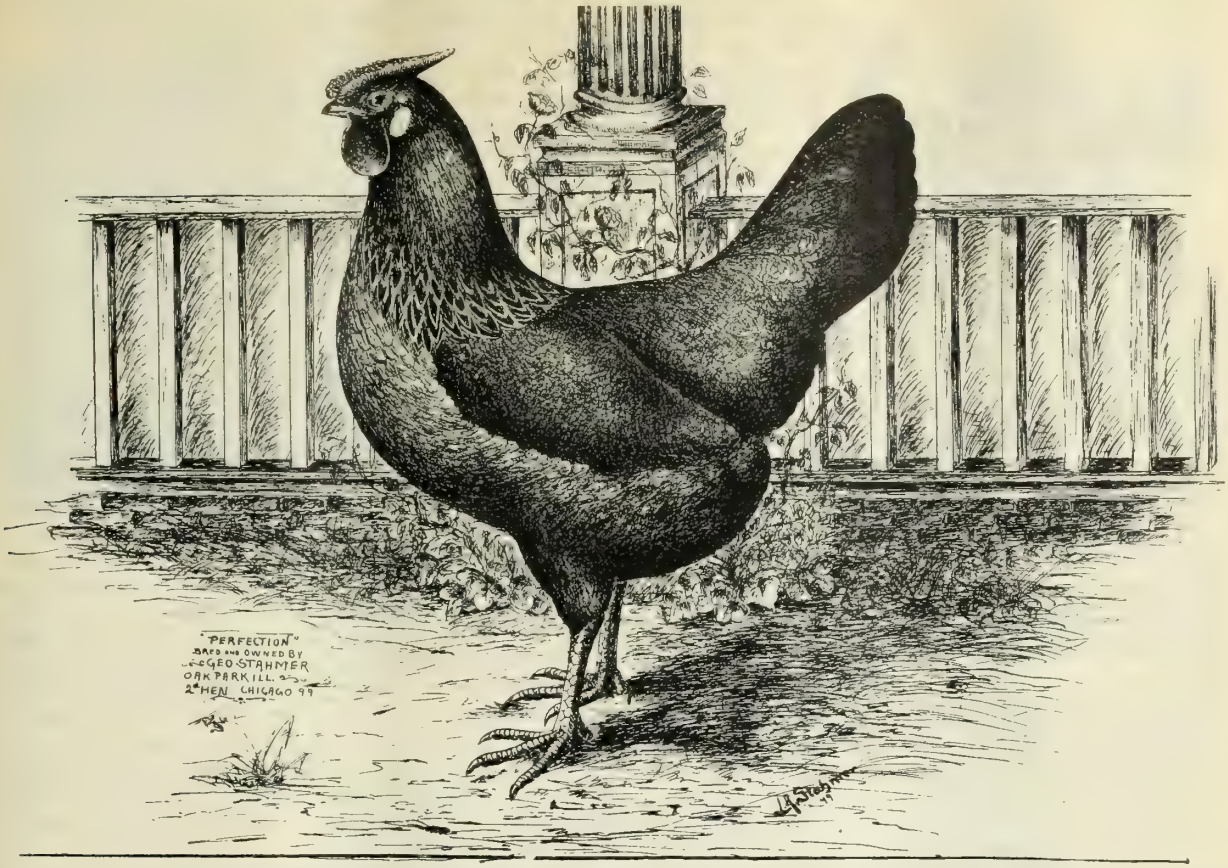
BARRED P. ROCKS
Exclusively.
My stock is a combination of Bradley Bros. and E. B. Thompson strains, grand in size, color and shape. Also two pens headed by prize-winning cockerels of that magnificent Knoxdale strain. Every bird in my yard is a grand individual and of the best blood in the world. Eggs, $2.50 per 15. Stock sold on approval.
L. H. EDWARDS, Lafayette, Ind.

Buffinton's Buffs
Still take the lead. Hundreds of prizes won at such shows as Madison Square Garden, Buffalo, Hagerstown, Hartford, Providence, Boston and nearly every local show in New England. We have the only flock of good Rhode Island Reds in the country. Eggs from Buff Wyandottes, Buff Plymouth Rocks, Buff Leghorns, and Rhode Island Reds, $2.00 for 13, $5.00 for 40. Buff Cochins, Barred P. Rocks and White Leghorns, $1.25 for 13, $3.00 for 40. Incubator eggs from fairly good stock, $3.00 for 100, $5.00 for 200. For $1.00 we will send receipt of Sampson's method of feeding hens for eggs. Send for circular.
ROWLAND G. BUFFINTON,
Box 677. Fall River, Mass.

BUFF WYANDOTTES.

Winners Wherever Shown.
Send for circular giving prizes.
Some fine young stock for sale.
Eggs $2.50 per Sitting.
C E. ELLSWORTH, Danville, Ill.

Buff Cochins
— EXCLUSIVELY.
At Lincoln, Ill., 1899, won as follows in hot company: Entered 15 birds. 1st ckl. 94, 2d ckl. 92½; 1st cock 93½; 1st hen 96¼, 2d hen 94½, 3d hen 94¼; 1st pul. 95½, 2d pul. 95, 3d pul. 95, 4th pul. 94¾. 5 other pullets scoring 94, 93½, 93½, 93½ and 93. 1st Pen 189 7-16, 2d Pen 187⅝; also won cash special for highest scoring bird in showroom. My Buffs are grand in shape and color. Birds and eggs for sale. Above birds scored by W. B. Shaner, Judge.
JOSEPH P. DEHNER,
Lincoln, Ill.
Write for circular.



Rose-comb Br. Leghorn Hen, bred and owned by Geo. Stahmer, Oak Park, Ill. This bird won 2d at Chicago, 1899.

Cut Prices on Choice Eggs

As an inducement to secure new customers I will sell eggs this spring at a reduced price for the next 30 days to the readers of this paper only. If you wish to take advantage of this offer it will be necessary to place your order at once. Our varieties we will sell eggs from are as follows, all mated up for best results, and will be sure to breed you some very choice stock:

L. B. Pen No. 1,	per 13 eggs, $1.75	Black Minorcas,	per 13 eggs, $1.25
" " " 2,	" 1.50	Rose-comb Black Minorcas,	" 2.25
B. P. R. Cockerel Breeders,	" 2.00	W. C. B. Polish,	" 2.50
" Pullet "	" 2.00	Red Caps,	" 2.50
P. Cochins,	" 1.75	S-c. B. Leghorns,	" 1.00
Buff "	" 1.75	" W. "	" 1.00
White P. Rocks,	" 1.50	R-c. B. "	" 1.50
Pea-comb B. P. Rocks,	" 3.00	" W. "	" 1.50
" " W. P. Rocks,	" 3.00	Buff Leghorns, Pen No. 1,	" 2.00
Buff P. Rocks,	" 3.00	" " " " 2,	" 1.75
Black Javas,	" 1.75	S. S. Hamburgs,	" 1.50
Langshans,	" 1.75	Sherwoods,	" 4.00
S. Laced Wyandottes,	" 1.50	Indian Games—imported,	" 3.75
G. " "	" 1.75	Black Breasted Red Games,	" 1.50
W. Wyandottes,	" 1.75	Pekin Ducks,	" 1.50

Send 15c for my large 84-page Poultry Guide, the largest and most complete Poultry Guide and Doctor out.

JOHN BAUSCHER, JR., Box 130, Freeport, Ill.

Published the first of each month by
MORGAN BATES & CO.

Entered at the postoffice at Chicago, Ill., as mail matter of the second class.

Subscription price 50 cents a year in advance.
When delivered by carrier in Chicago 75 cts. a year in advance.
Payment for AMERICAN POULTRY JOURNAL, when sent by mail, should be made by money order, registered letter, bank draft or express money order.
Stamps can be sent for small amounts.
Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a favor by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

All copy for advertising and manuscripts for publication should reach us not later than the 20th of the month preceding the date of issue.

NATIONAL FANCIERS' ASSOCIATION.

The National Fanciers' Association of Chicago has chosen its officers for the ensuing year. They are as follows:

President—W. W. Hogle.

Vice-President—L. H. Fuller.

Second Vice-President—C. A. Damon.

Secretary—Fred. L. Kimmey.

Treasurer—L. B. Richardson.

Directors—The President, ex-officio; F. B. F. Rhodes, P. H. Sprague, F. W. Ward, M. Wagner, A. E. Brown, B. F. Hedges, J. C. Pratt and William Plaehn.

With the exception of 1st Vice-President, The Journal is entirely satisfied with this election. Mr. Hogle is favorably known as a man and a poultry fancier. He has been identified with the Association from its inception and his elevation to the chair adds strength to the organization. Mr. Richardson is, perhaps, best known to the public through the medium of his excellent illustrations of poultry. He is an enthusiastic fancier, and is in every sense qualified to succeed Frank B. White, whose private business compelled declination of re-election. Now that there is a considerable balance in the treasury, the duties and responsibilities of the Treasurer will be more than nominal, but Mr. Richardson will prove equal to the task laid upon him.

The Board of Directors is composed of men whose integrity is above question. With such a body to direct and ratify the policy of the executive staff, the Association is assured of honorable and efficient management of its affairs.

The success of a poultry association depends mainly upon the work done by the Secretary. The chief purpose of the organization is the holding of an annual poultry show. Unless the Secretary is willing and able to bestow unremitting energy upon this business of creating favorable public sentiment for the show, the association itself becomes of but small importance. The office calls for abilities of a peculiar character, among which may be named executive force and diplomatic suavity. Conscious of these requirements, in their several phases, we congratulate our Association on the willingness of Mr. Kimmey to serve it in this capacity. He is essentially the right man for the place at this particular time. With the ways and means suggested and provided for by the Board as now constituted, we are confident that Mr. Kimmey will carry the work on to a satisfactory conclusion.

In due time a suitable General Manager of the show-room will be named by the Board. If Mr. Rhodes will consent to assume those arduous duties, the Association will have still another cause for felicitation.

American Poultry Journal tenders the National Fanciers Association of Chicago a cordial support. For the good of the poultry interests at large and the prosperity of the local Association we have only one wish, which is unqualified success. The Chicago show in 1900, backed by ample visible capital, should be the leading event of its kind in the Central West.

—o—

We never mean to use another man's ideas without due credit to the author, and were therefore annoyed to find a four-line item on page 122 and a paragraph on page 124 in the last issue of A. P. J. that should have gone with Dr. Wood's interesting paper on pages 118-119. They were detached in the "make-up." Moreover, the article should have contained mention of Farm-Poultry, in which the lecture by Dr. Woods appeared. We now learn that the credit to the author was not quite sufficient, as he is one of the editorial staff of our valued contemporary. His work is paid for by Farm-Poultry; and no wonder, because it is very good.

A WORD OF THANKS.

American Poultry Journal expresses profound appreciation of the splendid work done by our many friends who have assisted in securing subscribers for this magazine. This season is the best ever experienced by A. P. J. during its long and eventful career. The paid-up list, after deducting all expired subscriptions, already surpasses that of any other year, and bids fair to continue to increase steadily throughout the year.

This approval of The Journal is very grateful to the publishers, who are endeavoring to make a popular magazine covering all branches of the industry. While we shall, as heretofore, devote space to the science and art of poultry raising, as viewed by the strict "fancier," we shall not neglect the beginner, who "wants to know how." Each issue embraces the wide range of topics. We shall permit the discussion of problems agreeable to the fancier, but shall also have much to say that is intended solely for the novice. The man who raises a few fowls for his table, or for his individual diversion, is of quite as much value to us and to our advertisers as the man who longeth after the true shade of buff or the exact markings of a feather. This is a poultry magazine—not a faddist's journal. At the same time we privately admit that we are somewhat of a faddist. So there is a corner for all in this big house with many well-appointed "colonies."

—o—

RESULT OF A. P. J.'S SUBSCRIPTION CONTEST.

A. P. J. recently arranged a subscription contest to be entered into by its readers and friends. The plan is briefly stated as follows:

For the highest number of subscriptions sent in by March 1, 1899, a $15.00 fowl; second highest number, a $10.00 fowl. The highest number sent in after March 1st, 1899, to April 1st, 1899, a $15.00 fowl, and the second highest, a $10.00 fowl. Winners entitled to fowls will have their choice of variety. All who fail to get highest or next highest by March 1, 1899, can continue right on increasing their clubs to April 1st, 1899, until four persons have each earned a fowl. In this way prizes go to everybody according to their work.

The first contest closed March 1, '99. It was spirited and close. There was a tie for second place. Both these tie winners had worked good and well and were equally entitled to second prize. We settled the tie, deciding to

G. B. HALL, BARRY, ILL.

The above is a portrait of G. B. Hall, Barry, Ill., winner of A. P. J.'s first prize of $15, for securing the largest number of subscribers to this Journal in a month's time, contest ending March 1, 1899.

Mr. Hall is proprietor of the Barry Poultry Yards and anyone wanting good Partridge Cochin or R.—c. B. Langshan eggs can get them of him.

more than fulfill our agreement, by giving two second prizes.

The premiums are as follows:

First prize, G. B. Hall, Barry, Ill., 82 subscriptions.

Second prize, Ed. Carver, Columbia City, Ind., 75 subscriptions.

Second prize, Louis Knisler, Carteret, N. J., 75 subscriptions.

The winners were entitled to choice of breed and variety of fowl and also given the privilege of deciding from whom the birds should be ordered. Mr. Hall and Mr. Knisler preferred to have several fowls to equal in value the amount of the prizes offered.

G. B. Hall selected two Partridge Cochin hens from V. Dewein, Peoria, Ill., and three Partridge Cochin hens from W. L. Landis, Melrose Park, Ill. These five fowls equaling in value $15—offered as amount of first prize.

Ed. Carver selected a Buff Plymouth Rock cockerel from J. O. Joslin, Tiashoka, N. Y., valued at $10.

Louis Knisler selected one White Cochin cock and three White Cochin hens from C. N. Bowers, Dakota, Ill. These four fowls equaling in value $10, offered as amount of second prize.

The three winners all write that the birds are entirely satisfactory and that they are delighted with the result of the contest.

We wish here to clearly state that those who failed of securing the grand prizes can continue on in the contest closing April 1st, adding the new subscriptions they receive to those already sent in. The three men who received prizes, if they desire to compete, must commence a new list of subscribers.

We wish to heartily thank the many good friends who sent in subscriptions, and who worked so loyally for us—some with no thought of reward or premium.

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DID THIS MONTH'S A. P. J. COME TO YOU IN A COLORED WRAPPER?

If it did, the time for which your subscription was paid has expired.

We discontinue sending The Journal promptly at expiration of time. This colored wrapper contains the last number paid for and is a reminder of the fact, and an invitation, as well, to send in a renewal of your subscription for another year at once before you overlook it, in order to not miss a copy. It frequently happens that an edition is exhausted and we cannot supply back numbers. If you keep A. P. J. on file, as many readers do, you stand no risk of losing a copy if you send in your renewal order now, while you have it in mind, before next month's issue is sent out.

—o—

Send 60c for A. P. J. and American Swineherd, the leading swine paper of America.

BUFF.

Rocks, Wyandottes, Cochins, Cochin Bantams and White P. Rocks. Buffs score well up in the nineties and White Rocks from 92 to 95. Eggs, $2 per 13; $3.50 per 30. Also choice pedigreed Collie pups for sale at a bargain. Satisfaction to all. Address, with stamp for business,

A. F. ACKLEY, Box 447, Woodstock, Ill.

LOUSY BREEDERS

cannot produce a good percentage of fertile eggs, the few that do hatch will be weak, puny things, a disgrace to their owner and dreadful poor property, except to coddle and pet to no profit. Lice sap the vitality that is needed along with the germ of each egg to give "kick" and "get there" to the coming peeper if he is to withstand the ups and downs of chickendom. It is only the matter of a few cents and minutes to dust your entire pen with Lambert's Death to Lice Powder, and you will lay a foundation for a healthy flock of chickens, besides inducing a larger egg yield at once.

LOUSY SETTERS

will leave their nests at every opportunity, grow thinner and thinner, often die before hatching time. Lambert's Death to Lice Powder will clean a hen either sitting or standing the minute you put it on. It positively does not injure the hen, the eggs or little chickens should they hatch in it. A sample 5-oz. box that we send for 10 cents will convince you of its superior merits. If you want to know what

Clean Barred P. Rocks

will do in the way of producing fertile eggs and strong healthy chickens, send me $2 and I will ship you a sitting from as good or better than the average Barred Rocks. For $3 I will send you 13 eggs from the best matings, which are as good as the best you buy. Eggs for incubators at $6 per hundred. We mate our birds right, pack eggs right, ship right, and furnish directions, "How to Set a Hen" with every egg.

Death to Lice Remedies.

"Powder" for dusting fowls and setters—5 oz. sample 10c, post-paid; 48 oz., 50c; 100 oz., $1 by express from here or nearest agency.

"Ointment" for head lice on children or chickens; also scaly shanks on fowls, 10c and 25c post paid.

"Special" for making a liquid louse or mite killer, 4 oz., enough for one quart, 10c; 16 oz., 40c, post-paid.

Agents outfit, $3. Books, circulars and advertising matter always free.

D. J. LAMBERT,

Box 308. Apponaug, R. I.

White Wyandotte Chicks

Hatched during April mature in time for winter layers. Don't forget to send for a sitting or two of my eggs, which will hatch as good chicks as any eggs you can buy, and better chicks than most high priced eggs will. My price is $1.25 per sitting of 13 eggs. Now don't forget to send in time to hatch some fairly early chicks. Address,

GEO. H. PHILLIPS, Box 320, Villa Ridge, Ill.

Black Langshans, White Rocks
and Belgian Hares.

Eggs $3 per 15, prepaid and guaranteed 60 per cent fertile. Reduction on larger orders. Stock shipped on approval.

A. S. PARSON,
Garden City, Kas.

BUFF

Wilson's Buff Ply Rocks are world renowned winners. They are line bred, and show strength of blood in progeny. Customers are like successful in this country and England. If ambitious to lead, let me aid you also, with birds or eggs. **EGGS** $5 for 13; $8 for 26; $10 for 39.

J. D. WILSON, Box 127 A, Worcester, N. Y.

Black Langshans,
EXCLUSIVELY.

Winners 1st and 2d cock, 1st and 3d hen and 3d pullet, South Bend Poultry and Pigeon Show, South Bend, Ind., January, '98, S. B. Lane, judge. 1st cockerel 95¼, 1st pullet 95¼, 2d pullet, 1st, 2d and 3d hens and 1st breeding pen, South Bend Poultry and Pigeon Show, Dec., 1898, J. A. Tucker judge. Eggs from these winners for sale,

W. J. McINTYRE,
Lock Box 708, South Bend, Ind.

DENNY'S
Buff Rocks.
WINNERS AT
CHICAGO January 1899
AND
NEW YORK February 1899

Look up their records at these places and think of their grand winnings in the past. Remember, I won **more regular awards** at the meeting of the club **than any other exhibitor.**

Eggs from pens containing winners at the above shows, $3 per 13 and there are

NONE BETTER.

Send for descriptive circular, its free.

W. C. DENNY, Box J, Rochester, N. Y.
Sec'y & Treas. Buff Rock Club.

HALTEMAN'S BUFF PLYMOUTH ROCKS

HAVE WON

their share of premiums in the show room. Rich golden, up-to-date stock and Buff all over. Wilson, Burdick & Joslin strains. Cheapest eggs in the market, considering quality. Eggs, $1.50 per 13, or $3 per 30. Write for circular, it tells the rest,

WM. H. HALTEMAN,
East Coventry, Pa.

The Best is None Too Good for the Poultryman.

MICHIGAN POULTRY FARM

has hundreds of high-grade Breeding Birds for sale at prices you can pay. Barred, White and Buff Plymouth Rocks, White Wyandottes, Light Brahmas, Leghorns, Black Leghorns, Buff Cochins, Pekin Ducks. Eggs that will hatch at popular prices. Send 4c for 100-p. Poultry Annual and Catalogue, "Everything for the Poultry Yard." Worth dollars to poultrymen.

GEO. J. NISSLY,
11 Adrian Street.
Saline, Mich.
Established fifteen years.

THE EVOLUTION OF THE POULTRY ILLUSTRATION.

A Study of the Subject from the Inception of the Work by B. N. Pierce in American Poultry Journal—Ideal versus Literal Pictures of Fowls.

The evolution of the poultry illustration is an interesting theme. The development of this phase of work is symbolic of the growth of the poultry industry; or, rather, of the improvement in fowls themselves and the methods of poultry culture.

The problem of how to illustrate poultry on the printed page has been a vexing one since the founding of the poultry press. When American Poultry Journal was first issued, and up to within the past fifteen years, the only available process was engraving on wood. There were other methods in use, such as steel plate work and lithographing, but these were far too expensive to be generally used by publishers.

The cost of engraving on wood was great. A block represented from $25 to $100. It is stated by Harper & Brothers that their investment in illustrations for Harper's Magazine during the first twenty years of its existence was $300,000.

Aside from the cost, the difficulty in securing just the right sort of pictures was a serious obstacle in the way of publishers who aspired to give poultry illustrations.

The technical journal was created in response to a demand for accurate information on specific subjects; but the growth of patronage along these lines was necessarily slow. The field was limited and the revenues to the publisher were relatively small. Economies had to be practical in order to make the business self-sustaining.

The files of American Poultry Journal show that the first illustrations given in these pages were a reproduction on wood by J. E. Hassilons of a trio of Sebright Bantams by Ludlow, the well known English engraver, and a small cut of a pair of Buff Cochins. These illustrations were artificial and untrue to life.

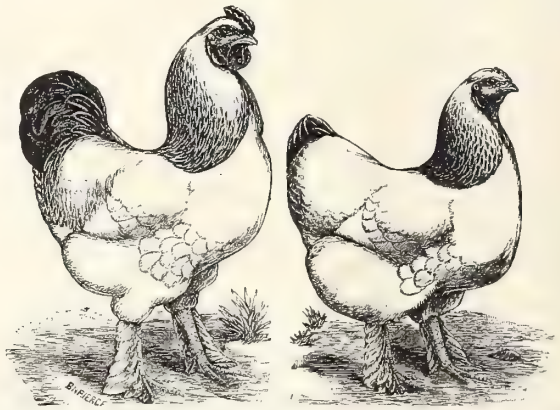
In the second issue of A. P. J. appeared the first work for this publication by an engraver now known in every section of the country—B. N. Pierce. The cuts were designed to represent two of Philander Williams's famous Light Brahmas, called respectively "Giant" and "Giantess." They were "portraits from life," but the editor declared that "the engraver has made the hen's legs too long in the engraving."

As this example of work is the beginning of poultry "portraits" in the West, we herewith reproduce them for purposes of comparison.

The succeeding issues of A. P. J. contained "a beautiful engraving of Partridge Cochins engraved expressly for American Poultry Journal" by B. N. Pierce. These drawings were from life, also, the originals coming from the yards of Z. C. Luce & Son, of Iowa City, Ia.

While the Poultry World, of Hartford, Conn., had preceded A. P. J. in this work, the designs were in no sense superior to those of Mr. Pierce. In fact, the "tooling" done by the western illustrator in delineating feather-markings was unsurpassed. But Mr. Pierce was never an artist. His illustrations were hard and lifeless. They were usually in profile. There was no attempt at scenic embellishment. The birds were rigid in pose, with impossible legs.

Despite the lack of artistic quality in his work, Mr. Pierce won the approbation of poultry breeders through his technique. In so far as form and markings were concerned, his illustrations were accepted as the best that were then offered by an American. We say this advisedly, because so late as 1888, when we succeeded Mr. Ward in the A. P. J. business, Mr. Pierce's cuts sold more readily than any other man's in our list.



First Illustration Made for American Poultry Journal by B. N. Pierce.

But Mr. Pierce's pictures of fowls were deficient in the essential quality of individuality in the birds. We term this "essential" on his own authority; for in November, 1874, Mr. Pierce declared, while advocating a pedigree book for fowls: "By a pedigree book, we of the remote regions, far away from poultry exhibitions, would be benefited. Individuality in poultry is what we want, both as to breeders and their birds."

The designs made then and now, we venture to assert, are not individual, but merely typical.

In the "remote" region of Iowa (for A. P. J. was then published at Cedar Rapids, Iowa) and the favored regions contiguous to Hartford and Boston, publishers used cuts redrawn from Ludlow's English prints or composed from the ideals in the engraver's mind,

and called them specimens "bred by" Mr. Thus-and-So.

With the issue for December, 1875, A. P. J. was removed to Chicago. The poultry industry received a decided impetus in the West that winter, by the holding of important exhibitions in Chicago and St. Louis. Breeders demanded suitable illustrations for advertising purposes. Mr. Pierce, who had become famous as "the artist fancier," wrote for this magazine some sensible suggestions. He said:

"The purpose of true art, whether representing animate or inanimate objects, is to represent Nature. * * * As the question of illustrations agitates the nervous ones, and they feign a fear that fine illustrations may injure the interest, it may not be out of place to say how every man may become 'his own artist.' A pencil sketch of the specimen is sent by the artist to the breeder, who compares it with his living specimens and suggests alterations to suit his own notions. The sketch is then returned to the artist. This plan avoids the expense of bringing the artist to the premises or of procuring frightful photographs of frightened, fluttering and mussed fowls."

Here is the artist's confession of the manner of making a "drawing from life." The basis is a sketch by a man who never saw the bird; the elaboration is in accordance with a breeder's "notion," and the execution is from this composite in conforming with the engraver's conception of what looks well. Yet such work stood for years as the literal illustration of individual birds.

In the article quoted from Mr. Pierce further said: "When a fowl is to be exhibited, it is put in the best possible condition. Its plumage is carefully preserved. It is fed on such foods as will fill it out and give growth and luster to its plumage, and every effort is made to get it in the best possible show condition." Therefore, he argued, "an illustration should always be in show condition," with the bird "positioned gracefully, in such attitude as we now and then see," to the end that the beholder "might be benefited."

This, undoubtedly, was the idea entertained alike by artist and breeder. The object was to make a cut that would sell birds, not to exactly convey the idea of the appearance of the bird itself. In other words, Mr. Pierce refuted his own argument in the same column, by defining the mission of true art and then admitting that the engraving is not a representation of Nature's handiwork.

Our contention with poultry illustrators lies precisely here: They do not show birds as they normally appear, but only as the artist imagines they should or might appear.

Following the historic phase of the progress of the art, American Poultry Journal was among the first of the publications to attempt the portrayal of fowls in colored plates. In January, 1877, a series of full-page designs was commenced. These were done in from three to ten color-blocks, each one necessitating a separate impression on the press. It is true that the tints were somewhat exaggerated and that the drawing was far from correct; but this series, which was continued through two years, marked an epoch in the development of poultry illustrations. Together with a lithographic series issued by the Poultry World, these pictures stood the test of critical examination for a long time. They ceased to be of value when changes in the popular types rendered them obsolete.

Meanwhile the advancement of the poultry interest called other artists into the field. We shall not attempt to describe the work outside of our own area of observation. There were several designers in the East, but the

First Partridge Cochin Cut made for American Poultry Journal by B. N. Pierce.

Eggs From Prize Winners.

White Holland Turkey eggs $2 per 11. White P. Rock, Golden S. Bantam and White Guinea eggs $1.25 per 13; $2 per 30.

A. Z. COPELAND, Potomac, Ill.

PLYMOUTH ROCKS—BUFF, BARRED and WHITE.
WYANDOTTES—Golden and White.
Lt. Brahmas and Pekin Ducks,
Pure bred stock. Eggs $1 per 13.
MRS. L. E. CLARK, Mansfield, Ill.

POULTRY PRINTING.

We will print, and deliver free,
250 Note Heads, 6 lb, ... } **$1.50**
250 Envelopes, No. 6¼ ..... }
Write for prices and samples.
F. VON HOEVENBURGH, Box A, Ruby, N. Y.

BARRED P. ROCK EGGS.

I have three yards of finely mated fowls, the lowest scoring 87¼, by Sharp Butterfield of London, Ont., as judge, at $1.50 a sitting of 15 eggs. Pekin Duck eggs at $1 for 12.

H. ADOLPH, Ironton, Iron Co., Mo.

GOLDEN WYANDOTTES, Exclusively.

"The beauty bred." All stock of high merit. Product of our 1898 matings finer than ever. At Illinois State Show 1898 won 1st cockerel, 2d cock, 1st and 3d hen, 3d pullet and 2d pen. At Springfield, Ill., Jan. 1899 won every first prize in the class, including 1st, 3d and 4th pullet. Some choice cockerels for sale; no more females to offer until September. Will furnish settings from three grand matings after March 1 at $2.50 pr. 15.
C. P. NELSON, (Prairie View Farm) Danville, Ill.

HOUDANS, Exclusively.

Eggs now in season, $2 per 15 or $5 per 45. Good results guaranteed. The egg trade a specialty—Five fine pens, 45 extra good breeders, special matings. I have the Chicago winners, the Michigan winners and the $25 cup. Have only a few cks. left at $2 to $5 each. President of Am Houdan Club. Send for new illustrated circular, covering 7 years continuous winnings.

FRANK W. McKENZIE, Concord, Mich.

EGGS FOR HATCHING.

White Wyandottes and Barred Ply. Rocks,
1 sitting $2; 2 sittings $3.75; 3 sittings $5.
White Crested Black and Buff Laced Polish,
1 sitting $3; 2 sittings $5.

White Indian Games.

On three entries in the biggest class ever held in Madison Square Garden, won 3d cock, 2d and 5th hen. Eggs—1 sitting $4; 2 sittings $7.

Poultry Supplies.

We carry the leading articles. *Crushed Oyster Shells*, 100 lbs. 75c; 1 ton $6.50. *Orr's Clear Grit* always a winner, 100 lbs. 75c; 1 ton $7. Send for booklet with prices, etc.

D. LINCOLN ORR, Box 3, Orr's Mills, N. Y.

Are You Tired

Keeping Hens That Don't Pay?

That is because you don't keep the right kind. We take a rest this month and let others talk.

W. H. SCOVIL.
Dear Sir:—The birds arrived first-class The Bantams are beauties and by all means better than I expected. The pair of Buff Cochins are the finest I ever saw. I think you are a square and honest man to deal with. If you use every one as you have me you must meet with success.
HARRY L. PRIDE, Westbrook, Me.

The breeding pen of Buff Rocks I bought of you won first at the great Brockton fair.
L. E. DOLLIFF.

Send for our beautiful catalogue and egg record, only a dime. Tells all about our Buff P. Rocks, Buff Cochins, Buff Cochin Bantams and Buff Leghorns. Your money back if not satisfied

W. H. SCOVIL,
Box 82, East Lebanon, Me.

WHITE WYANDOTTES,

and Nothing Else.

Eggs from my best pens 13 for $1.50. Satisfaction guaranteed. My stock is large, vigorous and white. No better any place.

G. C. FLEGEL, Westville, Ind.

Poultry Supplies.

Bone Meal, Oyster Shells, Lime Stone Grit, Ground Charcoal, Beef Scraps, Broken Crackers, Caponizing Sets, Poultry Markers, Drinking Fountains, Lambert's Death to Lice, GREEN BONE CUTTERS, Poultry Wire Netting, Feed Mills, &c. Send for reduced price list.

J. H. SLACK, Mfr. Poultry Supplies,
Box 210, Bloomsbury, N. J.

ARE YOUR • • • HENS LAYING?

If not, try OVAMEAD, the Great Egg Producer. It acts on the oviduct, and makes hens lay. Enough for 10 fowles 3 months, **50c. postpaid.** Trial package **25c. postpaid.**

Ovamead Mfg. Co., Box 44, Rochester, N. Y.

WHITE PLYMOUTH ROCKS,

Embden Geese.

Fine cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.

TILLMAN EASLEY,
Box E, Newmarket, Ind.

Buff Bargains.

200 Buff Leghorns. Females $2 and $3 males $2, $3 and $5. Eggs of Buff Rocks, Buff Leghorns and Mammoth Bronze Turkeys. Circular and price list free.

S. J. B. DUNBAR, Elkhorn, Wis.

$3.50 BUYS

One Golden Wyandotte cockerel, a first-class bird, scored 91½ by Shellabarger. The egg season has opened and I have eggs from high scoring Partridge Cochins and Golden Wyandottes for sale at $3 per sitting. Order early and get early chickens.

H. A. TOWNE, Sac City, Iowa.

4 Winning Trio.

OUR
S. C. WHITE LEGHORNS
Have a record.
OUR
Barred and Buff Plymouth Rocks
Will be heard from.

EGGS,
$2 per 13, $5 per 45.

E. E. GREER, - Beatrice, Neb.

SHOEMAKER'S BOOK ON POULTRY

and Almanac for 1899. 160 pages, 100 illustrations of Fowls, Incubators, Brooders, Poultry Houses, Poultry Supplies and largest Poultry Farm. Tells how to raise Chickens successfully, their care, diseases and remedies. Diagrams with full description to build best Poultry houses. All about **Incubators, Brooders** and thoroughbred Fowls, with lowest prices. Printed on good paper in two colors. Price only 15c. **Money back if not pleased.**

C. C. SHOEMAKER, Box 411, Freeport, Ill.

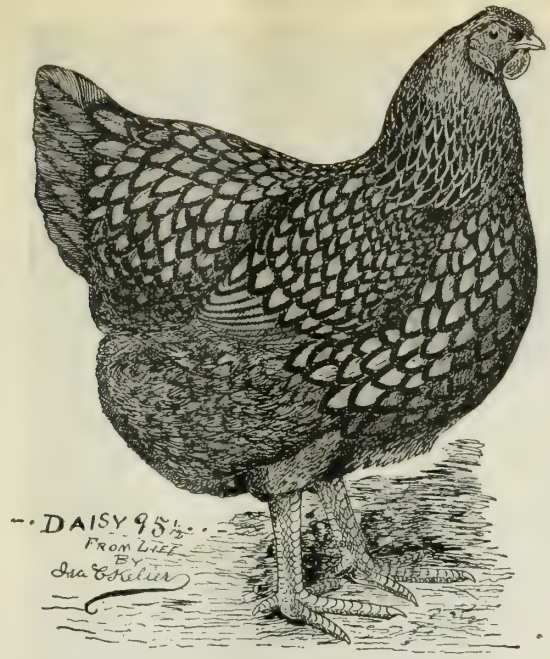
Barred Plymouth Rock Cock, Bred and Owned by A. J. Bargahiser, Rockford, Ohio.

second, in point of celebrity, to Mr. Pierce was his whilom pupil, J. Henry Lee. After a period of study, more or less extended, under the eye of the veteran, Mr. Lee asserted his independence. He was not an artist. His work, like his instructor's, was noticeable mainly for its mechanical excellence. The engraver of poultry cuts must understand the features of his subjects—he must be a poultry fancier and student. This Mr. Lee certainly was; and he carried to his bench the ideas gained in the yards. His cuts became very popular. We have sold thousands of them. But this style was very faulty in the same way as that alluded to in the work by Pierce. There was no distinctive individuality in the birds depicted by him.

During the lifetime of Mr. Lee, the question of illustrating the Standard was warmly debated. His designs were approved by several of the best known breeders, but the project flashed out, expiring with the "obsolete" edition of 1889.

As the years rolled on, the old order was changed in the methods of illustrating periodicals. The invention of "process" work not only relegated wood engraving to the limbo of the

Golden Wyandotte Cock—2d prize at Madison Square Garden, New York, Dec., '97. Owned and bred by Ira C. Keller, Prospect, Ohio.



Golden Wyandotte Hen—1st prize at Madison Square Garden, New York, Dec., '97. Owned and bred by Ira C. Keller, Prospect, Ohio.

undesirable, but brought into being an entirely new class of artists.

Franklane L. Sewell came to the American Poultry Journal about 1886 with modern ideas. This youth was then unknown. He aspired, and he won a degree of success as pronounced as it is merited. Today he stands undisputably at the head of illustrators of poultry and pet stock in America. During his sojourn in England, a few years since, Mr. Sewell received recognition from the foremost fanciers of that country. His drawings were solicited by the English poultry journals, and he was cordially indorsed by Harrison Weir, the most noted of artists in his special line, perhaps, since Landseer.

Mr. Sewell is endowed with the truly artistic temperament. In the realm he has chosen his talent reaches the border line of genius. He is, moreover, a lover of fowls and pet stock, and has the tastes and patience of a fancier. These qualities of mind and disposition combine to lift him, through industry and integrity, to a high plane of excellence.

Circumstances—opportunity and the man—were in happy conjunction when Mr. Sewell entered the field. He was not an engraver; fortunately for him, at that moment engraving on wood ceased to be a necessity to illustrators. New processes were just then attracting the attention of printers, because of their lessened cost and their greater possibilities for exactness of effects. The artist alone was responsible for the work; since under the photo-engraving system his sketch was transferred to the plate by mechanical means. The old style necessitated a redrawing on the block, which was done in reverse, and then a cutting away of the wood. The new method called for a drawing in direct view, and afforded opportunity for any degree of fineness of line through the reduction of the sketch by photography.

This process is called "etching," but is not to be confused with the strictly artistic work of the same name. The eating away of the zinc plate, on which the photograph is made, is done with acid, leaving the lines in relief to correspond with the black lines of the drawing. The advantage gained is in the preservation of the artist's spirit, which was oftentimes lost by the man who carved the wood. The benefit to the public is in the lowering of the cost of engraving and the consequent increase of illustrations by publishers. Pictorial representation can now be employed in lieu of verbal description. This improved form of object-lesson has unquestionably wrought a great good.

Since Mr. Sewell led the new company of designers there have been many recruits. Among these, rather in order of time than excellence, may be mentioned E. S. Comings, S. Z. Harroun, Will S. Fry, George E. Howard, L. P. Graham and L. B. Richardson.

But the progress towards perfect illustrations was merely begun when the art of photo-engraving was reached. Improvements have been made in the mechanical devices for making the plates, and new methods have been discovered for preparing the copy. The pen is supplemented with the brush, in producing "wash" engravings; and the zinc etching is used only where the plate is intended for coarser varieties of illustration. The "half-tone" engraving has now become an established and available style of illustration even in the daily newspaper; while in the high-class magazine the half-tone is almost exclusively used. The December issue of Harper's Magazine, which is the typical publication in America, has not a single specimen of wood engraving, but contains seventy-six half-tones in black. There are a dozen zinc etchings also, but these are employed only to insure bold line effects.

This number of Harper's Magazine

B. G. SMITH, Elmira, N. Y., White Leghorns, White Wyandottes.

Reliable Breeders' Directory

OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.
C. H. C. Anderson, Carlinville, Ill.
John H. Ryan, L. B. 195 Monticello, Ill.
A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minorcas.
H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.
C. H. C. Anderson, Carlinville, Ill.
E. E. Paris, Washington. Ill.
Chas. L. Gierhart, Tiffin, O.
(E. B. Thompson strain.)

R.-c. B. Leghorns.
W. C. Jackson, So. Bend, Ind. 2-1

White Wonders.
J. M. Culver, Peterboro, N. H.

B. B. R. Games.
J. C. Pratt, Agent.
Residence and Yards, La Grange, Ill.
Office, U. S. Sub Treasury, Chicago, Ill.

Houdans.
John M. Wise, Freeport, Ill. 4-99-1yr

Japanese Silky.
Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.
S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.
S. D. Mandeville, Sidney, Ill.

Indian Runner Ducks.
Ber'd McCaffrey, Steubenville, O. 9-98-1y

Rose-Comb Br. Leghorns.

Eggs $1 per 13,

From good, prize winning stock.

POPE & POPE,
Louisville, Ky.

Barred Plymouth Rocks.

Stock first-class, healthy and vigorous.

Write for prices.

FRED GRUNDY,
Morrisonville, Ill.

None Better.

Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.

D. T. HEIMLICH,
Jacksonville, Ill.

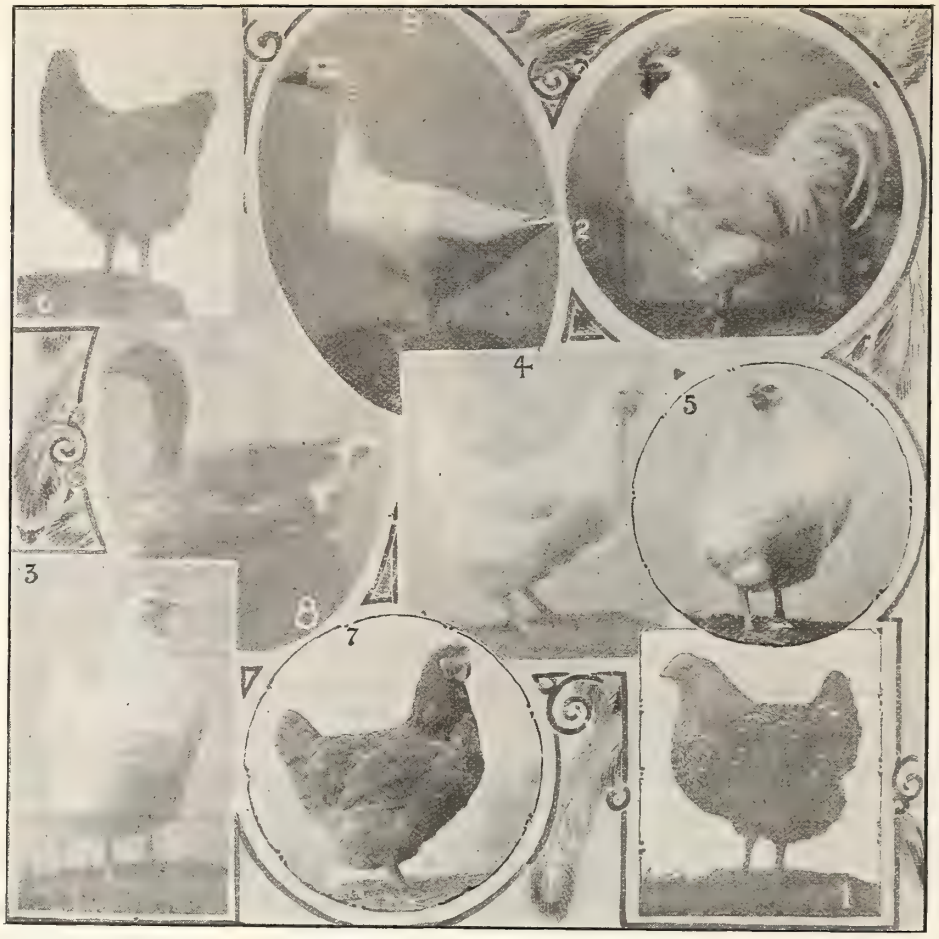
AFTER THE STORM IS OVER

We find we have 25 cks. with combs more or less damaged by frost. We offer them at $2 each. All fine

NORTHUP STRAIN BLACK MINORCAS.

Worth several times the price for breeding purposes. Other stock at right prices. Eggs that will hatch, from best pens $2 per 13; $3.50 per 28; $5 per 45. Scottish Terrier puppies, registered in purchaser's name, $5 and up.

CORN BELT MINORCA YARDS,
A. A. Christie, Mgr., Smithland, Iowa.



LAND AND WATER FOWLS

The above group represents a few of the many choice specimens and winners bred in the yards of Dr. W. A. Crum and L. A. Logsdon, Carey, O. No. 1 Wyandotte pullet, 94 1-4. 2—White P. Rock cock, 94 1-2; three years old. 3—White P. Rock pullet, 95. 4—White Wyandotte pullet, 96 1-2. 5—White Wyandotte hen, 95 1-2. 6—Buff Wyandotte pullet, 93 1-2. 7—Buff P. Rock 93 1-2. 8—Toulouse gander, 98; weighed 28 lbs. 9—Embden gander, 98 1-2. All scored by McClave at Carey, O., show and photographed at close of show.

likewise shows an example of half-tone in colors, which demonstrates the possibilities of the new phase of art.

There is still another process, by which color-plates can be secured directly from nature, provided the object is stationary. A dead bird, for instance, can be prepared by a taxidermist and posed as in life, and plates made by photography in exact likeness of the figure. These can then be printed in colors and tints. The result is nearly perfect. But the cost of this style of work is rather beyond the range of ordinary commercial uses. Only the more profitable magazines can afford to give such illustrations.

Another point to be mentioned in the evolution of engraving is the invention of paper suitable to "take" the finer plates. Publications are obliged to use a grade of stock unknown to the world twenty-five years ago. American Poultry Journal has moved steadily with the progress of methods. As in the beginning it secured wood engravings from the best engraver then available, Mr. Pierce, so as time brought changes and new artists in the field, we have given examples of the coming men's artistic endeavors. Mr. Sewell's first crude drawings evoked much criticism, but his latest pen-sketches are now accepted as the best of their class. The poultry fraternity appreciate him.

With this record in mind, the question arises: Why does not American Poultry Journal present a series of colored plates by the latest process?

The answer to that necessitates a statement of our opinions regarding poultry illustrations.

With full credit to Mr. Sewell for the splendid work he is doing; with full apppreciation of the excellence of L. B. Richardson's drawings, and a declaration of belief that he ranks second only to Mr. Sewell as an artist; and with a most cordial sentiment of regard for B. N. Pierce's unexampled efforts in behalf of this important adjunct of the poultry cause, we assert that poultry illustrations are still but the expression of ideals.

Natural illustrations are yet to come. They do not exist, except in the comparatively few specimens of half-tone engraving that have been thus far given.

We read now, as in the early '70's,

MITTENDORFF'S
BUFF
PLYM. ROCKS

Orders Booked Now for EGGS from Winners at
Chicago, Buffalo, Hagerstown, Mid-Continental, Hamburg Crawfordsville, &c.
Circular FREE. L. W. MITTENDORFF, Lincoln, Illinois.

On All April Egg Orders
- I WILL -
Pay Express
to Any Part of the World.
ORDER YOUR EGGS NOW.

of "portrait" illustrations. Pictures are published which purport to be "from life," "prize winners," at this or that show. We can not accept these statements as literally true.

The Standard itself is not a fixed criterion. Fanciers refuse to agree on the types of birds, and various ideals are held by judges. It is true that specialty clubs are moving towards a realization of unity. Some of them, in the leading classes, have adopted "ideals" and secured pictures to serve as models. But among these breeders there still remains a diversity of opinion, and many of them breed for effects in accordance with their personal preferences.

Fine as these pictures are in an artistic sense, we claim that they do not represent living birds. The novice who looks at the picture and then sees the bird is sure to be disappointed. And the novice is the person to be kept in mind. Illustrations are designed primarily for purposes of education, and secondarily for the commercial purpose of advertising stock. Pictures for comparison in the upbuilding of a variety towards a fixed standard are well enough in their way; but we allude more directly to those pictures claiming to represent particular birds. These come under the second head, and are mainly intended to induce sales.

As we cannot find individual birds that embody all points of excellence, to serve as enduring models for expensive colored plates, we prefer not to indulge at present in that form of illustration.

The problem therefore resolves itself into that of cuts for general educational benefit and cuts for inducing trade.

We believe that the best results can be attained by getting as near to the actual as is possible. Moreover, we believe it the truest policy to say that pen drawings from living birds are artistically idealized; and not to claim that a bird is shown in actuality unless its picture is taken by photography.

A fowl can be photographed in any desired attitude, because it is one of the few animals which can be posed. There is no need of frightening a bird or mussing its feathers to place it before the camera. If a time exposure is desired, the bird can be taught to remain in position; but ordinarily a snap-shot will suffice. As the bird is made ready for the show room, so it may be put in form for the camera.

If this position is antagonized by breeders, we are prepared to prove that the men who have employed the camera are among the most successful patrons of A. P. J. Their expression of confidence in their birds inspires a corresponding feeling in the public mind. There can never be too much frankness between seller and buyer.

We claim also that this showing of what has been actually done in the yards would be of vastly more benefit to the fraternity than any fanciful picture of what breeders would like to do with their birds.

Reliable Poultry Journal presents a beautifully wrought pair of Barred Plymouth Rocks, from a design by Sewell. They are declared to be portraits of birds in the yards of a well known breeder. We venture to doubt this assertion. There are fine specimens to be found in those yards, doubtless; but it is taxing the credulity of the public to say that this picture is a "portrait." The birds are too smug and have too much of the now-look-pleasant appearance. They are more likely to be Mr. Sewell's ideals.

If we are wrong in this opinion Mr. Sewell has the right of defense. But we ask him if he ever saw a bird in life that was quite as complete in appearance as these he asks us to regard as living creatures?

The second example of color-work alluded to is in the Fanciers' Gazette, B. N. Pierce's magazine. It is a Langshan male, and purports to be purely ideal. The original drawing was submitted to many breeders for criticism. The sketch is admittedly a composite. No one claims that just such a bird exists. In that respect the illustration is fairer than the R. P. J's.

Mr. Pierce has succeeded in satisfying a number of breeders as to shape; but his attempt to impart color to the plumage and color is not the "grand success" he congratulates himself upon having achieved. The "strong green sheen" aimed at is there, but not in life. The "sheen" can only be attained by a process more expensive than Mr. Pierce employs. A green under a black, showing where the dark is cut out, is not the Standard iridescence of a brilliant feather.

With these attempts before us, we are confirmed in the opinion that the colored illustration is still a thing of the future. But the publications that give these pictures are to be commended in their efforts towards a desired end.

For the time being we shall advocate in A. P. J. the best available process whereby literalness and truth can be subserved.

The illustration of White Wyandottes shown in Reliable Poultry Journal for January is the most artistic picture that we have seen from the brush of Sewell. But it is in this very artistic excellence that the descriptive lines declaring these birds to be the prize winners at Boston, by Arthur G. Duston, of Marlboro, Mass., are neutralized. Mr. Duston says the birds "are somewhat idealized." Of course they are. Mr. Sewell has made a pretty picture. The autumn coloring is fairly reproduced; but the perspective is faulty. As a neat work to hang on the wall of a poultryman's office, the illustration is satisfactory; but as a poultry illustration it is misleading. It is not a portrait of living birds, but a "somewhat idealized" artistic fancy. If Mr. Duston were to sell the originals on the strength of this picture he would make an enemy of the purchaser. Such birds do not exist. The illustration is made as every other art work is, on the idealistic composite plan. Therefore, the picture should be called, "An ideal based on Mr. Sewell's and Mr. Duston's conception of what White Wyandottes ought to be." Mr. Duston frankly admits this point. He is an honest man, as Mr. Sewell is also, but he is practical, while the artist is theoretical.

WHITE PLYMOUTH ROCK COCKEREL.
Score 95½ by Felch. Pu e white and a model for shape. Bred and owned by Frank Heck, New Albany, Ind.

B G. Smith, Elmira, N. Y., Rose and Single-comb White Leghorns and White Wyandottes.

B. G. Smith, Elmira, N. Y., White Wyandottes, White Leghorns—Rose and Single-comb.

Eggs, Eggs, Eggs.

BANNER EGG FOOD and TONIC

is the greatest egg producer ever known.

We Sold Over 5000 1-lb. Cans in 1898.

It also helps the hens through the moulting period and starts them laying early in the fall, when eggs are scare and prices are high. Price, 24c per 1-lb. can; 5 cans $1. Small sample mailed free. Our immense 1899 illustrated catalogue mailed free if you mention you saw this ad in American Poultry Journal.

Excelsior Wire & Poultry Supply Co.,
28 Vesey st., New York City.
W. V. RUSS, Prop.

30 WORDS
SINGLE INSERTION
50 Cents

Under these headings, cards of **Thirty Words** or less, will be inserted for **Fifty Cents** a single insertion, or three insertions for One Dollar. Each extra word will be two cents each insertion. Initials or Figures counting one word. ☞Advertisements coming to us short-paid will not be inserted. No display or changes can be allowed, and all cards must be uniform in style.

30 WORDS
THREE INSERTIONS
and the JOURNAL one year,
$1.00

On writing any of these advertisers mention A. P. J. It helps you and does n't hurt us.

BREEDERS

FRED L. KIMMEY, Morgan Park, Ill.—Buff Leghorns and Black Langshans for sale at reasonable prices. 2-3

WM. H. FATHAUER, Box 96, Boody, Ill.—Prairie Poultry Yards, breeds Barred Plymouth Rocks, Light Brahmas, Partridge Cochins and Embden geese eggs $2. per sitting; fine breeding. stock for sale. 2-3

MRS. C. A. WARD, Prop. Sunny Side Poultry Yards, Box 274, Liberty, Ind.—Partridge Cochin chickens a spacialty; M. B. Turkeys, Pekin ducks, also eggs, fine Canary birds. 2.3

BUFF LEGHORNS. Boston, Greenfield, Brattleboro first prize winners in our yards Arnold and Shepard Strains. Eggs $1.50 per 15. F. H. Fuller, Box M. B., Hinsdale, N. H. 3-3

CHOICE Buff and White Plymouth Rocks and Mammoth Pekin Ducks. Eggs $1.00 per sitting, $1.50 per two sittings. Satisfaction guaranteed. H. A. Shannon, Appleton, Wis. 3-3

BUFF COCHINS Exclusively. Eggs $2.00 per sitting, from stock scoring 93 95½ points. Stock for sale. Took 1st, 2nd, 3rd and Special at Belleville, Ill.. 1898. A. Hilderbrand, Nashville, Ill. 3-3

LIGHT BRAHMAS Exclusively, scoring from 90 to 92½. Eggs $1.50 for 13, $2.50 for 26. Good clear stock. Eggs packed with care. Dan H. Vernor, Nashville, Ill., Wash. Co. 3-3

DARK BRAHMAS, Buff Rocks, Barred Rocks. Score from 90 to 95 points. Sweepstake winners at the leading shows. Eggs $1.25 for 15, Elmer E. Robbins, Hamden Jct , Ohio. 3-3

"BLUE GRASS Silver Wyandottes," Exclusively. Winners at Lexington. Paris, Winchester, Covington, Ky.; Cincinnati, Ohio; Pittsburg, Pa. and wherever shown. Eggs for sale now. Circular free. Paul E. Shipp, Paris, Ky. "White Fantail Pigeons." 3-3

PHESANTS and Pigeons. Golden Phesants and Chinese Ring Neck Phesants Eggs for hatching and Phesants for sale at low prices; also Fantail Pigeons. E. A. Schemmel, Beaver Dam, Wis. 3-3

G. F. SOUTHWICK, Beloit, Wis. For Sale—Four Buff Cochin Bantam Cockerels; Peruvian and common Guinea Pigs. Eggs from Single-comb Black Minorcas; Golden Sebright Buff and White Cochin Bantams. 3-3

DO YOU WANT to hatch prize winners? Eggs from my O. K Strain B. P. Rocks only $1 per 15. Stock all sold. F. A. Chandler, Preston, Wis. 3-3

BARDOLPH Poultry Yards. Buff and Black Cochins, Light Brahmas, scoring 90 to 95 by Pierce. Eggs $1.50 for 13, $2 for 26. J.E.Hendrickson, Bardolph, Ill. 3-3

PRIZE WINNING White Plymouth Rocks and full feathered Buff Cochins. Stock for sale. Eggs from birds scoring 94 to 96½, $2.00 for 13. Write for show record. J. A. Babcock, Goshen, Ind. 3-3

JAY PAYS The express on eggs and stock. Barred Plymouth Rocks, "Thompson Strain." Eggs, $2,00 till June 1st, then $1.00. Good hatch guaranteed. Address: Jay Burdick, with U. S. Express Co , 87 Washington St., Chicago, Ill. Mention A. P. J. 3-3

W. H. ROSE. Lancaster, Wis., breeds Barred P. Rocks and Single Comb Brown Leghorns; eighteen years a breeder. Few pullets for sale. Eggs a specialty, prices right; discount on large quantities. 3-3

AT THE PAXTON SHOW Pierce gave 25 of my Pekins an average score of 96½ points; weight 7 to 9½ pounds. Eggs $1.5 0 per setting; White and Barred Rocks and Toulouse Geese eggs $1.00 per setting. W. C. Mottier, Gibson City, Ill. 3-3

QUINCY POULTRY ASS'N. Barred White and Buff Plymouth Rocks. White and Golden Wyandottes, Rose and Single Comb Brown Leghorns, Silver Spangled Hamburgs, Black Minorcas, Golden Sebright Bantams. All birds score from 93 to 94½ points. Eggs, $1.00 per setting; each additional sitting, 75c. Discount on100 lots. B. P. R. & W.P.R. Address J. L. Raymond, Quincy, Ill. 3-3

RABBITS—Flemish and Belgium Giants, heavy and light-weight Belgian Hares, Black and Tans, Peruvian Guinea Pigs and Collie pups. Please send stamp for information and prices. Capacity of Rabbitry 2,000 head. C. F. Kingman & Co., Importers and Breeders, Woodstock, Ill. 5-98-1yr

W. C. JACKSON, South Bend, Ind.—Buff Leghorns, Arnolds; Single and Rosecomb Brown Leghorns, White and Barred Rocks, Hawkins; White Wyandottes, Buff Cochins, at $1. Eggs $1. and $1.50 2-3

CARTHAGE POULTRY YARD, Irving Mayor, Carthage, Ill.—Breeder of Silver Laced Wyandottes, S-c. Brown Leghorns, Barred Plymouth Rocks and Poland-China hogs. Quality the best. Eggs $1.25 per 13. Young stock for sale. 2-3

I. F. SCHOTT, Box 144, New Pittsburg, Wayne Co., Ohio.—Poultry food and supplies of every description, so cheap that you will be surprized. Send for illustrated catalogue and be convinced. 2-3

T. J. TEANEY, Greenfield, Ill.—White Rock cockerels, $1, to $2.50, prize winners included. Eggs from birds scoring 92 to 94½ $1.50 for 15; White Holland Turkeys, Pekin Duck eggs, $1.50 and $1. for 11. 2-3

D. W. WILLIS, Crawfordsville, Ind.—Lt. Brahmas, Barred Rocks and Bronze Turkeys. Grand in size shape and color. Eggs for sale from six choice matings at reasonable prices. Satisfaction guaranteed. 2-3

O. WISLER, 584 Evergreen ave., Chicago, Ill.—Breeder of high class Silver and Golden Spangled Hamburgs. Eggs from three Grand yards at $2 per sitting. For reply enclose stamp. 2-5

ROYAL RED SEAL LOFTS, F. E. Morganthaler, Prop., Station C, Cleveland, Ohio, —breeders importer and flyer of the speediest strains of Homing Pigeons exclusively. Send for my annual catalogue. 1-6

E. A. SCHILLER, Beaver Dam, Wis.—White Wyandottes exclusively—A. F. Hunter and Arthur Duston strains. A lot of fine young stock for sale. Can furnish score card after Dec. 13, '98, by Hewes. Eggs in season, $1 for 13. 12-6

B. P. ROCKS and S. L. Wyandottes. Scored by Heimlich and Pierce at three shows, 1898. Won 19 premiums. Show record furnished. Satisfaction guaranteed. Eggs $2 per sitting. D. D. Gilman, Hoopeston, Ill. 3-3

HAWKINS BARRED ROCKS. Fifteen years a breeder of high scoring prize winning birds. I guarantee satisfaction. Eggs $1.50. S. F. Flint, Peoria, Ill. 3-3

BARRED PLYMOUTH ROCKS, S. L. Wyandottes, finest strain, scoring above 90. Eggs 15 for $1, 30 for $1.50; Pekin Ducks 15 for $1. Toulouse Geese eggs, $1. H. L. Moury, Belleville, Ohio. 3-3

WRITE ME for White Leghorns, P. Cochins. My birds get their score, 93-96, by Pierce. Eggs $2 per sitting. Stock for sale. Wm. Blanken, Buckley, Ill. 3-3

BARRED AND WHITE Plymonth Rock Eggs from up-to-date Rocks at $2.00 per 13; $4 00 per 30. "Rocks" a specialty for 16 years. Joe B. Hutton, New Castle, Pa. 3-3

WHITE PLYMOUTH ROCKS that are white, scoring 93 to 97, won first prizes. Eggs that will hatch 15 for $1.00. Stock for sale. Satisfaction guaranteed. J. B. Beard, Newton Falls, Ohio. 3-3

THIRTY-FOUR Prizes at the Fall River Show. Sixteen of my Houdans scored an average of 91½ points each and won all the prizes. Rhode I. Reds, Light Brahmas, Barred P. Rocks Eggs $2.00 per 13—$5.00 for 40. Pekin Ducks, eggs $1.00 for 11. A few good birds for sale. Send for circular. Daniel P. Shove, Box 666, Fall River, Mass.
President Rhode I. Red Club 3-4

CRESCENT POULTRY FARM. Catalogue free, with valuable information on artificial incubation by an expert; all about feeding and rearing ducks and chicks. Incubator Eggs a Specialty. Pekin Ducks, Barred Rocks, White Wyandottes, White and Brown Leghorns. Stock all sold, but lots of eggs for sale from high scoring matings. Frank Foy, Des Moines, Ia., Box 1001-b 4-3

GEORGE NORTHUP, Raceville. N. Y., wishes to sell 1,000 Rose and Single-comb Minorcas. He breeds more prize winners than any 4 other breeders. 28-page catalogue (size Journal) free. 1-6

TELEGRAPH POULTRY YARDS, Desoto, Mo.—Eggs for hatching. B. P. Rocks, S-c Leghorns and Black Minorcas. We issue a little circular, it explains itself. Write for it. 2-3

A. K. SNODGRASS, Camden, Pa.—Has some fine Light Brahmas, White Plymouth Rock and White Wyandotte cockerels for sale cheap if taken quick. Also 8 Pekin Ducks. Write for prices. 2-3

BARRED PLYMOUTH ROCKS. Sweepstake Winners at County Fair. 20 eggs $1 00. Ed. Einfeldt, Greenwood, Wis. 3-3

GOLDEN WYANDOTTES Exclusively. Eggs $2 00 per sitting. 92¾ to 95½ by Wale. Headed by cock with a score of 94 points by McClave. Write for circular of my winnings. Wm. Plumhoff, Nashville, Ill. 3-3

LONG'S Prize Winning Strain of nine varieties. Winners at Mount Gretna, Hagerstown, 1898; Washington, D. C., Jan., 1899. Hundreds of Premiums won. The Noted Strain. Eggs $1.50 for 15. Two-cent stamp for catalogue and show record. R. E. Long, New Midway, Fred Co., Md. 3-3

BLACK MAGPIE PIGEONS, Dr. Gibon Strain. Young, $1.50 and $2.00 per pair; olds, $4.00. Will exchange pigeons for bantams. F. Laberteax, Albion, Mich. 3-2

BUFF PLYMOUTH ROCKS, Up-to-date, bred them for five years. Stock and eggs for sale. Prices reasonable; satisfaction guarantaed. You take no chance. W. F. Simonson & Son, Bancroft, Mich. 3-3

BUFF LEGHORNS. Three fine selected matings, clear golden to the skin. Won where ever shown. Eggs $2 per 13, $3 per 26. Stock for sale. Satisfaction guaranteed or money back. W. C. Boone, Leon, Ia , Box 124. 3-3

SITTING EGGS FREE from my prize winning Barred Rocks or White Leghorns, scoring 90 to 94½. First and every tenth order free. Eggs $1.50 per 15, $2.50 per 30. T. G. Hedges, Waterford, Ky. 3-3

L. M. FREDERICK, Benjamin, Pa.—Buff Brahmas exclusively. Eggs for sale. Satisfaction guaranteed. Write for price list and description. 2-3

E. ABIAH JACOBY, Walberts, Pa.—White Indian Games and Black Langshans a specialty. Breeder of all the other leading varieties of fancy poultry. Satisfaction guaranteed. Prices right, correspondence a pleasure. 2-3

CHAS. P. STEPHENSON, Killbuck, O.—Rose-comb Black Minorcas exclusively, Northup strain. I have only 100 for sale. Satisfaction guaranteed or money refunded. Eggs in season. Write me before purchasing elsewhere. 2-3

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THE GOLDENRODS, Stiles, Iowa—Mammoth White Holland Turkeys and Embden Geese of high quality-breeding. Large vigorous birds. White poultry a specialty. Prize winners wherever shown. Write for prices. 2 3

C. E. MYERS, Danville, Ill.—Golden Wyandottes; winners at Danville Show, Dec. 27-30, '98, Thos Hewes, judge; cock 2d, 3d, 90, 90; hen 1st, 2d, 90¼, 90; cockerel 1st. 3d. 4th, 92, 91½, 90¾; pullets 1st, 2d, 3d (tie 4th), 93½, 93¼, 92¾, 92½; other pullets, 92¼, 92¼, 92¼, 90½; cocks and cockerels $2. up. Eggs $2. per 13. 2-3

JOHN M. LORENZ, 26 Foley st., Freeport, Ill.—Buff Wyandottes first premium birds at Northern Illinois fair; also Buff Plymouth Rocks and Peacomb Barred and Peacomb White Plymouth Rocks, no combs to freeze; just the fowl for cold climates; eggs from choice pens $2,00 per 15, $3.50 per 30. Book your orders now. 2-4

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THE HOME of the White Wonders, at B. Wenk's, Washington, Ill. I have bred them exclusively and sell eggs from any of my yards at $1.50 per sitting. 3-3

PEIRCE BROS., Winchester, N. H., Exhibition Games, Pit Games, Cornish Indian Games, full-feathered Buff Cochins, Game and Ornamental Bantams. Winners at the leading shows of the east. Stamp for Catalogue. 3-3

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WHITE HOLLAND TURKEYS and Toulouse Geese. Prize birds at common prices to make room. Breeding birds, pairs, etc. Other varieties. Send for list. Chas. McClave, Ashland St., New London, Ohio. 3-3

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VALLEY VIEW Poultry Yards, Dover Plains, N. Y. Eggs from choice matings. Barred Rocks, Ringet Strain, White and Buff Leghorns, $1 50 per setting, four for $5.00. Express paid. 3-3

EGGS CHEAP. S.-c. Brown and White Leghorns per 100, $3.50, 13, 50c; Barred Rocks, 100 $4 00, 13 75c; Bronze Turkeys, 20c each. J. L. Boyd, Dana, Ill. 3-3

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BLACK SPANISH and Buff Rocks. A clean sweep on Spanish at New York, 1899. Buff Rocks—Burdick's "Nuggets," J. D. Wilson and Forsyth stock. Eggs $1.25 for 13. E. R. Gregory, Edmeston, N. Y. 3-3

WHITE WONDERS, well named, Light Brahmas, Barred Plymouth Rocks, Single and Rose-comb Brown and Rose-comb White Leghorns. Eggs $1.50 to $2.00 per 13. E. E. Paris, Washington, Ill. 3-3

AT BOSTON, '99, I won 10 premiums on White Wyandottes. My birds are large, white and true Wyandotte shape. Eggs $2.00 per 15. F. H. Fuller, Box M. B., Hinsdale, N. H. 3-3

STOP, LOOK, LISTEN! Stock and Eggs, the best Dark and Light Brahmas, Buff and White Cochins, Langshans, Andalusians, Wyandottes, Pekin and Muscovy Ducks. J. K. Clemmer, Box 22, Souderton, Pa. 3-3

BUFF WYANDOTTES a specialty. Won first on Cockerel, second on Pullet in hot competition, (Hathaway Judge) also Buff Leghorns and Rocks. Eggs $1.00 per 13. Wm. Haught, East Palestine, Ohio. 3-3

WHEELER'S Buff P. Rocks. Winners at Rochester and Elmira, N. Y., Jan. 6 to 12, 1899. As good as the best. Prices low. Write for circulars. C. A. Wheeler, Cuba, N. Y. 3-3

TUTTLE'S White Wyandottes and Barred Rocks win in hot competition; they will win for you. Eggs $2.00 per 13, $3.50 per 26, $5.00 per 40. A. C. Tuttle, Galion, Ohio. 3-3

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PARTRIDGE COCHINS exclusively, grand winter layers. Limited number of fine breeding stock for sale. Eggs in season, prices reasonable. Geo. R. Fisher, Box 1264 Helena, Mont. 3-3

SOMETHING FINE. Eggs from Buff Cochins (score 92-93½) $2.00 per 13. R. C. B. Leghorns (91-94) $1.50 per 13. A few Leghorn Pullets for sale. L. Gholson, Nashville, Ill. 3-3

XXXX. Varieties Prize Winning Poultry, also Pigeons, Hares, Pets. Cockerels, $2.00; Hens, $1.50; Eggs $1.00 per 15; $3.00 per 60. Cat. free. John D. Souder, Jr., Telford, Pa. 3-3

DO YOU WANT Eggs from Russell and Hersey strains of Barred P. Rocks, only $1.50 for 15, best pens. Mammoth Bronze Turkey Eggs from McKenzie's hens and 48-lb Tom, $1.50 per 11. Orders booked now. Lura Carroll, Melrose, Ia. 3-3

WHITE MINORCA and Rose-comb Black Minorca Eggs from choicest matings, $3.00 per sitting, $5.00 for 30. A few cockerels and pullets for sale. Mrs. J. G. Osborne, Fabius, N. Y. Box O. 3-3

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W. F. BLACK SPANISH, Buff Leghorn Eggs for sale from pens mated for best results. Satisfaction guaranteed. 2-cent stamp for circular. A. J. Barnhart, New Pittsburg, Ohio, Box B. 3-3

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C. W. SAYLOR, Greenfield, Ill, breeder of Buff Plymouth Rocks that are strictly first class. Eggs $2.00 per 15. Book your order now, Satisfaction guaranteed. 3-3

BLACK MINORCA (Single-comb) exclusively; large, vigorous, hardy birds of typical Minorca shape. My birds are feed for winter eggs. Eggs $1.00 per 13. Luny Reynolds, Westville, Indiana. 3-3

S.-C W. LEGHORNS, Black Minorcas, S. S. Hamburgs. First prize winners at Northeast and Erie Shows. 15 eggs $1.50. Fine strain Lewellyn Setters and Fox Terriers. Knablein Bros., Erie, Pa. 3-3

D. MULLEN, Indiana, Pa. Partridge Wyandottes, White Wyandottes and Golden Penciled Hamburgs. 3-3

J. E. WALTER, Wakeman, Ohio. You want winter layers! I have them bred for it, S.-c. B. Leghorns. Eggs 13, 75c; 26, $1.25. 3-3

H. CLOSE, Dunkirk, Ind., has 15 odd White Jocobin Hens and a few well mated pairs for best results, for sale cheap; also four Buff Cochin Bantam Cocks and three Hens. Write. 3-3

WYANDOTTES, Silver, Golden, White; Golden and Silver Sebrights, Winners at Indianapolis, Springfield and St. Louis Fairs, Kentucky and Indiana State Shows. Stock and Eggs for Sale. Circular free. Reeves & Jones, Clifford, Indiana. 3-3

OUR BLACK LANGSHANS, White Plymouth Rocks and Golden Sebright Bantams are winners with score to 95 by Helmlich. Eggs from them $1 per 13, $2 per 30. A few Bantams yet for sale. Theodore Werth, Strasburg, Ill. 3-3

BARRED ROCKS, Steinmesch L. Wynndottes, Hollann Turkeys. Turkeys' eggs $3 per 11. Chickens' eggs $2 per 15. W. H. Bollinger, Pendleton, Ind. 3-3

FRED W. KING, Breeder of Partridge Cochins. Winners at Peoria and Springfield in the strongest competition. Stock in season. Eggs $2 for 13. 623 Third Avenue, Peoria, Ill. 3-3

LIGHT BRAHMAS Exclusively. As we expect to remove soon to Central Mo., we shall only keep one pen of Light Brahmas, scoring 91-94½. Eggs $2 per 13, straight. W. H. Hormel, Rutledge, Mo. 3-3

HONEST STOCK. White Wyandottes, Light Brahmas and Pekin Ducks. Eggs only, surplus stock all sold. Satisfaction guaranteed. Also a few bushels of home-grown Soja Beans. William Dyke, Effingham Ill. 3-3

WHITE PLYMOUTH ROCKS Exclusively; farm raised, scoring from 93 to 96¼. Eleven ribbons on twelve birds at Youngstown. Eggs for sale. Write for prices. O. J. Fishel, Newton Falls, Ohio. 3-3

HOWARD BROWN, Coatesville, Pa., Box 329, Breeder of Buff Leghorns and Buff Plymouth Rocks. Evidence of quality are their winning at Hagerstown, Carlisle, Fredericks, Md., and Washington. Stock for sale. Eggs $2 per sitting or three sittings for $5. 3-3

LIGHT BRAHMAS Exclusively. H. H. Church, Vermontville, Mich., will have eggs for sale at reasonable prices. Choice stock sorted for breeders. Seven breeding pens for eggs. Correspondence solicited. 3-3

BARRED AND WHITE Plymouth Rock Eggs by sitting, or 100 from the best layers in the world, bred from the best strains and all heavy weights. If you want eggs that will hatch we will furnish them at $4 00 per 100, or $1 50 for 15. Send for circular. Cedar Lake Poultry Farm, Creston, Ind. 3-3

BUFF WYANDOTTES. Eggs of Pen 1, $3.50 per 15; Pen 2, $2 per 15, $3.50 per 30. Theo Kies, Nokomis, Ill. 3-3

C. A. WILLIAMS and Miss Mary, Carey, O., breeders of Golden Wyandottes and Golden Sebright Bantams. Watch Toledo, Sycamore and Carey Show reports. Eggs $2.50 per 13; per 30, $5. 3-3

L. LANTZENHEISER, Wooster, Ohio, has for sale Buff Cochin Cocks, Cockerels, Hens, Pullets; Black Minorca Cocks and Hens; and Brown Leghorn Cockere s from one to ten dollars each. 3-3

GOLDEN WYANDOTTES Exclusively. Prolific Laying Strain, with size and beauty combined. All my Breeders scoring from 90 to 94 points. Eggs $1.50 per 13. Geo. H. Burnett, Lansing, Mich. 3-3

WHITE WONDERS—Exclusively. Four choice heavyweight breeding pens. Up-to-date stock. If you want the best and most practical fowls, write. Eggs, $2 per sitting Wm. A. Pierce, Waterville, N. Y. 3-3

LIGHT BRAHMAS Exclusively. They are the hardiest and best laying strain in Wisconsin. Eggs, $1 per sitting. Strictly pure blood. Orders booked now. J. C. Livingston, Livingston, Wis. 3-3

BUFF Plymouth Rocks, Buff Cochins, Buff Wyandottes, Buff Leghorns. White Plymouth Rocks, Mammoth Bronze Turkeys, Black Langshans, Eggs in season. Stock for sale. Dr. R. H. Maricle, Mill Shoals Poultry Farm, Mill Shoals, Ill. 3-3

ROSE-COMB White and Rose-comb Brown Leghorns, Silver Laced Wyandottes. 15 Eggs $1; 39, $2. Rouen and Pekin Duck Eggs 11, $1; 26, $2. J. W. Cook, Poneto, Ind. 3-3

BUFF LEGHORNS That are Winners. At Youngstown, Ohio, Dec. 20-24, 1898, I won 1st and 2nd Cockerel, 1st Hen and 1st Pullet. Eggs $2.00 per 13. A satisfactory hatch guaranteed. Belgian Hares and Fancy Pigeons. Satisfac ion or money refunded. Wm. Friedmann, Canton, Ohio. 3-3

BLACK LANGSHANS Exclusively. They are beauties. Eggs for hathing $1.50 per 15; $2.75 per 30. Write to me before placing your order. Herbert Davis, Pawnee, Ill. 3-3

WILD GEESE—I have four Wild Geese, (three females) two years old; very tame; suitable for park or breeders. Price. $10 for four. E. K. Stall. Mt. Pleasant, Ia. 3-3

WHITE WYANDOTTE Eggs, 15 for $1.25; 30 for $2. From large, vigorous, farm-raised birds; good color, yellow legs and beaks. Embden Goose Eggs, 18c each Calvin Norman, Dexter, Mo. 3-3

ATTENTION—I am now booking orders for eggs from my yards of fine Blue Andalusians, Buff Leghorns and Buff Rocks. Bottom prices. Satisfaction guaranteed. G. W. Klee, Chambersberg, Pa. 3-3

HOT STUFF In Golden, Silver and Buff Wyandottes, S. S. Hamburgs, B. B. Red Games. Farm-raised, strong healthy, vigorous birds. Pleased others, will please you; write today. Address, J. F. Beum, Box 186, Westerville, Ohio. 3-3

RIVERHURST Poultry Yards, Charles Hollands, Proprietor, Westons Mills, Catt Co., N. Y., Breeder of Barred and Buff Rocks, Wells and Sheperd Strains. Also Single comb Buff Leghorns and Silver Spangled Hamburgs. Eggs $1.50 per 15. 3-3

WHITE WYANDOTTES, Pekin Ducks and White Holland Turkeys are the general purpose fowls. Buy some eggs and make money. Send for prices. Satisfaction guaranteed. R. F. Galleher, Mt. Gilead, O. 3-3

THE TERRACE Poultry Yards, White Wyandottes exclusively. Beauty and utility combined. Winners at the following shows in 1898: Mt. Gretna, Pa.; Hagerstown, Md.; West Chester, Pa. Eggs, $2 per 13. Allen C. Roberts, Spring City, Pa. 3-3

OVER STOCK. Will sell cheap to make room. Partridge Cochins, Barred Plymouth Rocks, Single and Rose-comb White and Brown Leghorns, Black Minorcas, S. S. Hamburgs, Brown Breasted Red and Indian Games, Pekin and Cre ted Ducks, etc Geo. E. Lloyd, 105 9th Ave., East Ashland, Wis. 3-3

STANDARD Bred Barred P. Rocks from A. C. Hawkin's Stock; also pen of Eichelberger Strain, headed by c'kl from G. M. Leffel direct. All high-scoring birds, no culls used. $1 per 15 eggs. Pekin Ducks, Chas. McClave Strain, direct, 13, $1; also mammoth B. Turkey eggs $2 for 11. No stock for sale until fall. No circulars, write your wants. Satisfaction guaranteed. C. C. Rittenhouse, Austin, Ohio, 3-3

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

FRED E. BALDWIN, Ottumwa, Iowa.—Breeder of White Wyandottes, Buff Plymouth Rocks and Partridge Cochins. Catalogue free. 4 3

BUFF LEGHORNS that are buff, and Buff Pekin Bantams. Prize winners; excellent layers. Eggs for hatching my specialty. Write M. A. Bowles, East Palestine, O. 4-3

ROSE-COMB Brown Leghorns and Sherwoods. Eggs, either breed, $1 per 15; two or more sittings 75c each. Leghorn stock $1 each. Marion Ake, Ft. Wayne, Ind. 4-3

W. B. GANIARD, Delta, O. — White Wyandottes, Hawkins' and Duston's strain. Eggs of this strain from my best pen $1.50 for 15; all other pens $1.25. 4-3

BUFF PLYMOUTH ROCK—Burdick and Wilson strain, 13 eggs for $2; 30 for $4. Barred Plymouth Rocks, 13 eggs for $1.50; 30 for $3. L. E. Smith, Granger, Ind. 4-3

ROSE-COMB White Leghorns. Eggs selected for hatching 15 for $1, or 26 for $1.50, or $4 per 100. Stock from John Bauscher, Jr., Jas. Kappes, Jr., box 135, Ashton, Iowa. 4-3

PIT GAMES — Large, handsome birds. Smoke Ball and Aseel and Smoke Ball crosses. Eggs $2 for 15; $3 for 30. Stock for sale. A. D. Woodruff, Manhattan, Kansas. 4-3

G. L. GRAFT, Scottdale, Pa.—Eggs 6c each. Barred P. Rocks, White and Laced Wyandottes, Rose-comb White Leghorns, Black Rose-comb Minorcas, Partridge Cochin, English Red Cap, 13 for $1. Pekin Duck Eggs, 9c each. 4-3

IMPORTED Buff Orpington's Wyandottes, P. Rocks, Brahmas, Cochins, Leghorns, Minorcas, Bantams, Langshans. Ducks, Hares. Eggs at reasonable prices, catalogue free. Davis Bros., Station E, Washington, N. J. 4-3

WHITE STOCK FARM—Eggs 5c each. White Minorca, White Wyandotte, White Cornish Indian, White P. Rock, White Rose-comb Leghorn. Improved Pekin Duck, 6c each. F. C. Wray, Scottdale, Pa. 4-3

BLUE ANDALUSIANS—Exclusively for four years; non-sitters; strictly egg-layers, prize winners; very handsome and vigorous. $2 for 15 and $3.50 for 30 eggs. W. Paul Otte, Paoli, Ind. 4-3

HAWKINS' STRAIN — Silver Laced Wyandottes. All my breeders score 90 to 93½ points. Pen headed by cockerel scoring 90 points from A. C. Hawkins direct. Eggs, $1.50 per 13. Joel Pedlar, Brazil, Ind. 4-3

BARRED ROCKS—Only. Cheap but good. Good enough to win under Judge Felch's scoring. Eggs after March 15th, $1.25 for 13; $2 for 26. Bertrude Spangler, Utica, Clark Co., Ind. 4-3

HENRY MUEHLENFELD, 914 Kentucky street, Quincy, Ill., breeder of Golden Wyandottes, Houdans — eggs, $1, and Rose-comb Black Minorcas—eggs, $1.50 per 13. All breeding stock scores over 91 points. 4-3

LIGHT BRAHMAS — A choice lot of cockerels and pullets for sale. Cockerels $2; pullets, $1; must go at once. Eggs for hatching. Let me know your wants. Satisfaction guaranteed. A. S. Walker, Hinsdale, Ill. 4-3

WHITE HOLLAND TOMS—Good ones too. Other Turkeys, Geese, Ducks and Chickens, Farm grown. Eggs carefully shipped. Free list. Prompt attention. Low express rates. Address, Bert Wilbur, Knowlton, O. 4-3

SILVER LACED and White Wyandottes that score from 90 to 95, by Shaner, and mated for best results. Eggs from first pens $3; second, $1.50. Correspondence solicited. Geo. Hummel, Polk, Wis. 4-3

GREEN BROTHERS, Barberton, Ohio, breeders of four high scoring pens Light Brahmas, Buff Leghorns, W. C. B. Polish, White Bearded Polish. Eggs for sale. Send for free circular. Satisfaction guaranteed. 4-3

RIVERSIDE POULTRY YARDS, West bank Hudson river. Light Brahmas only. Eggs 100, $5; 26, $2; 13, $1.50. Walter Burpee's strain. First-class stock. Lillie A. Miller, Highland, Ulster county, N. Y. Box 268. 4-3

BUFF LEGHORN EGGS, B. Plymouth eggs, only $1 per sitting, from good stock only; also Golden and Chinese Ring-neck Pheasant eggs for hatching. Write E. A. Schemmel, Beaver Dam, Wis. 4 3

46 PREMIUMS on Pouters, Jacobins, Tumblers, White and Red Dragoons, White Rocks, Golden Wyandottes, at Fredonia, Rochester, Elmira. Stock and eggs for sale at all times. Address M. Woelfle, Silver Creek, N. Y. Stamp if convenient. 4-3

MY S. L. WYANDOTTES and R-c. B. Leghorns made almost a clean sweep at the shows this winter. Eggs, $1.50 per 13. Circular free. John Hoelzer, Dundee, Ohio. 4-3

GOLDEN WYANDOTTES—Few cockerels and pullets from high scoring stock for sale. Eggs from same stock, $1.50 per 13. L. Humeau, Mansfield, Ill. 4 3

BUFF P. ROCKS and Buff Leghorn eggs for hatching, $1 for 15 eggs. Buff P. Rocks for sale at all times. F. E. Hightree, Nutwood, Ohio. 4-3

LIGHT BRAHMAS, Exclusively. Felch strain. Farm raised. Eggs through the season, $1.50 per 15; $2.50 per 30. After June 1st, $1 per 15. Mrs. E. M. Haskell, Exeter, Ill. 4-3

LAKE VIEW Summer Resort, Peach Orchards and Poultry Yards.— Thoroughbred S-c. White Leghorns and B. P. Rocks. Eggs 5c each. J. W. Gamble, Catawba Island, Ohio. 4-3

BLACK LANGSHANS—only. Cockerel scored 93½ by McClave. Choice Ben Myers or W. H. House strains. Eggs $2 per 13. Riverview Poultry Yards, Henry Snellgrove, prop., West Elgin, Ill. 4-1

HENNESSY BROS., Strawberry Point, Iowa, breeders of Cornish Indian Games and Pekin Ducks. Game eggs, $1.50 per 13; ducks, $1 per 11. One Bronze tom for sale, score 95½. 4-3

WM. V. SCHLOSSER, Beloit, Wis.—Eggs for sale from S-c. White Minorcas, $1.25 per 13, or $2 per 26. Scott's strain, Canada. Wm. V. Schlosser, 1028 Park avenue, Beloit, Wis. 4-3

BUFF PLYMOUTH ROCKS—Winners of 10 prizes at the Kentucky State Show, 1899. Forsyth, Wilson and Hamm strains. Eggs, $1.50 for 13; $3 for 30. H. A. DeMand, Oxford, Ohio. 4-3

BARRED PLYMOUTH ROCKS — Exclusively. Eggs for hatching from selected matings, $1 per sitting. Large, healthy stock of the best strains. Order at once. C. H. Dewey, Langham, Grundy county, Ill. 4-3

WHITE WYANDOTTES that stay white. One sitting (13) eggs free with each tenth order. Pen scores 90½ to 94. 15 eggs $2; 45, $5. J. H. Eby, North Robinson, Ohio. 4-3

WHITE PLYMOUTH ROCKS — Hawkins and Empire strains; Black Minorcas, Northups strain; White Leghorns, Whiting and Knapp Bros.; Pekin Ducks, Newman and Rankin. Eggs, $1.50 per 13. Geo. Heuneman, Keokuk, Iowa. 4-3

LIGHT BRAHMAS, White Plymouth Rocks. Winners at Indianapolis, Chicago, Logansport. Two pens each. Eggs, $2 for 13; English Buffs, $3. Stock for sale. Write. Specialty Breeders, Middletown, Indiana. Lock box 306. 4-3

WHITE WYANDOTTES, Exclusively. Hawkins' and Hunter's strain. Bred for beauty and utility. Eggs, $1.50 per 13; $2.50 per 26. Satisfaction guaranteed. Wm. Campbell, 3034 Emerald avenue, Chicago. 4-3

PHEASANTS—English Ring-neck. Eggs for hatching, $2 50 per 15. Also Buff Cochin eggs, $1 yer sitting, from heavy feathered, rich colored birds. A. B. Wingert, North Hampton, Ohio. 4-3

S-c. WHITE LEGHORN cockerels, $2 each, with score card—closely related to 1st cockerel, Chicago, 1898. Satisfaction or money returned. Write for full particulars. A. V. Knapp, South Haven, Mich. 4-3

UP-TO-DATE, up-to-weight farm raised Buff Rocks. Five years a breeder. The most noted strains. Eggs $2 per sitting. Inquiries promptly answered. Mrs. Jonathan Solt, Columbus, Ind. 4-3

ROSE-COMB BLACK MINORCAS and Golden Laced Wyandottes. Eggs from first-class stock, $1.25 per sitting; 2 sittings, $2.25. Also a few Rose-comb B. Minorca cockerels at $1.50 each. Satisfaction guaranteed. Mention A. P. J. Louis Krueger, Sleepy Eye, Brown County, Minn. 4-3

EXHIBITION Barred Plymouth Rocks our specialty. Our stock direct strains of Thompson's (Ringlet); Hawkins' (Royal Blue); Bradley Bros. (N. Y. Champion, and light blue pullet strain having birds sired by N. Y. Champion); and Ringlet, the great first prize males at Madison Square Garden. Our stock equal to any and prices reasonable. Did you see our display pen on exhibition at Madison Square Garden show? Eggs, $1 per 13; $3 per 50; $5 per 100. Address, Riverbank Poultry Yards, Catskill Station, N. Y. 4-2

WHITE COCHIN BANTAMS—Surplus stock disposed of. Will furnish eggs from my '99 matings, during April only, at $3 per 13. Geo. F. Mueller, 425 Tecumseh street, Toledo, O. 2-3

DELAVAN PRAIRIE Poultry Farm—Up-to-date in all the leading breeds of land and water fowls. Bantams a specialty. Eggs, 75c to $1.50 per sitting. Geo. H. Wright, Delavan, Wis. 4 3

PIT GAMES—Mich. Warriors, Muff, Menton Dominiques, Irish Shuffles, War Horses. Eggs, $2.50 per 13. R. W. Luck, 503 Marion ave., Indianapolis, Ind. 4-3

L. A. LYDICK'S Partridge Cochin won 1st cockerel, 2d Pen, 4th cock, 5th hen, at Toledo, Ohio, show; Butterfield, judge. Eggs, $2 for 15. South Bend, Ind. Box 576. 4-3

RIVERSIDE POULTRY YARDS, Vernon, Conn. — White Wyandottes, Barred Plymouth Rocks, S-c. White Leghorns, R-c. Brown Leghorns, Pekin Ducks. Eggs, $1 per 13; $4 per 100. 4-3

WHITE ROCKS, Only — Farm raised. Bred for winter layers. Breeders selected each winter from best winter layers. Eggs, $1 per 13; Incubator eggs, $4 per 100. J. L. Jefferson, Des Plaines, Ill. 4-3

PEACH HILL POULTRY YARDS—Eggs from eight pure breeds of poultry, $1.50 per sitting: Pekin Duck eggs, $1; Belgian Hares for sale. F. W. Wright, box D, Berlin Heights, O. 4-3

WHITE WYANDOTTES, Exclusively. A fine lot of cockerels for sale. Eggs from extra fine matings, $1 per sitting. A. H. Arnold, East Townsend, Ohio. 4-3

DR. JEWETT, Olentangy, Ohio — Eggs from high scoring Barred and White Rocks, Black Spanish, and Buff Leghorns. Scores 90 to 93½. Ten chicks guaranteed. $1.25 per 15; $2 per 30. 4-3

HARVEY C. WOOD, Mt. Pulaski, Ill.—Light Brahmas exclusively. Eggs for sale, $2 for 13, from pen headed by 94¼ point cockerel mated to females scoring 92 to 93¾.; Felch and Giant strain. 4-3

GREENMAN'S BANTAM YARDS, Cortland, N. Y. — Fifteen ribbons on fifteen entries at New York, 1899. A few more brothers and sisters to Madison Square winners for sale in Golden and Silver Duck-wing and Black Breasted Reds. Write for prices. 4.3

WHITE-FACED BLACK SPANISH and W. P. Rock eggs at $1.50 per 15. Also a few good W. P. Rock cockerels at $1.50 each. E. W. Van Fleet, Galena, O. 4-3

BLACK LANGSHANS — Won first, second, and third at Vandalia, St. Louis, and Missouri State shows; Wale, Russell, Bridge, judges; score 94 to 96½. Eggs, $2. Circular free. John Hettich, Bowling Green, Mo. 4-3

DAUPHIN PARK POULTRY YDS. —Light Brahmas, Black Langshans, Buff and White Rocks, Golden, Silver and White Wyandottes, Buff and White Leghorns and Red Caps. Eggs for hatching 8885 Cottage Grove ave., Chicago. 4-3

BUFF PLYMOUTH ROCKS—Exclusively. Eggs $1 50 per 15; 4 sittings $5. Stock for sale. If you are looking for golden buff color throughout, including undercolor, write to Jacob F. Wagner, 510 South Michigan st., South Bend, Ind. 4-3

MRS. H. O. MORRIS, Tiskilwa, Ill., having six year's experience with Barred Rocks (Tibbetts' strain), offers eggs from choice matings at $1.50 per 15. Pullets a specialty at reasonable prices. 4-3

FOUR LEADING BREEDS of poultry, high scoring birds—Black Langshans, Buff and Barred Rock and Buff Cochins. All best strains. Eggs, good hatch, $1 per 15. Central Poultry Yards, Mill Shoals, Ill. 4-3

BUFF PLYMOUTH ROCK EGGS—That will hatch out prize winners. Yard birds score 90 to 93½ by Pierce at the Oxford Poultry Show. Eggs from this yard $2 per 13. Farm Range eggs $1.50 per 13. Address I. T. Bryant, Box 115, Oxford, Ohio. 4-3

BARRED AND BUFF Plymouth Rocks, White Holland Turkeys. Farm raised. Trotting right up with the best. Eggs from prize winners at Carey Show. Try and be convinced. J. A. Fox, Carey, Ohio. 4-3

PLYMOUTH ROCK EGGS—Prize winning and record egg producing Barred Plymouth Rocks, Hawkins strain, $2 per sitting. Address Julius M. Bischoff, 2714 Russell ave., St. Louis, Mo. 4-

WHITE ROCKS—Hawkins and Empire strains. Barred Rocks, Thompson and Hawkins strains. Eggs, $1 per 15; $1.75 per 30. Lyon & Son, Spring Hill, Pa. 2-3

S-c. B. LEGHORNS—At Wayne Poultry show I won 1st ckl, 93½; 3d pullet, 92¼; 1st pen, 185⅝. Orders promptly fille l. 13 eggs for $1.50. Jas. Chambers, Wayne, Mich. 4-1

S-c. BLACK MINORCA EGGS—From extra large fowls, 13, $1; 75, $5; 100, $6.50. Delavan Prairie Stock Farm, Delavan, Wis. 4-1

FAIRVIEW POULTRY YARDS. C. A. Sparks, proprietor, North Topeka. Kans., breeder of B. P. Rocks exclusively. Eggs from pen 1, $1.50; pen 2, $1 per sitting of 15. Leffel strain. 4 5

DIXIES BIGGEST, oldest breeders.—40 varieties Southern pet animals and birds. I import finest talking parrots. Poultry, dogs and pets bought. W. W. Garig, Baton Rouge, La. 4-1

MRS. W, H. GRIFFITH, Sebree. Ky. Light Brahmas, Mammoth strain; S-c. White Leghorn, Vandorne strain; Barred P. Rocks, Shoemaker strain. Eggs, $1 for 15; two sittings of one kind, $1.50. 4-1

WYANDOTTES—Black and Buff. Large, fine shape, proper color, fine shape combs. Breeding from hens weighing 7¾ lbs. Eggs, per 15, $2; 45, $5. F. W. Church, Belgium, N. Y 4-1

BARRED ROCK EGGS for hatching from full blood W. E. Bright, E. B. Thompson and Hawkins' birds, 15 for $1. Standard matings. Circular free. Great Western Poultry Yards, Montezuma, Iowa. 4-1

HAWKEYE POULTRY YARDS. Dubuque, Iowa—Eggs from prize winning Light Brahmas, pen 1, at $2 per 13, score 90 to 92 points by McClave; pen 2, at $1 per 13. 3-3

BUFF PLYMOUTH ROCKS—Burdick strains. Two grand breeding pens, won at Ashland Poultry show in strong competition; Charles McClave, judge. Eggs $2 per sitting. E. C. Overs, Ashland, Ohio. 4-1

SINGLE-COMB Brown Leghorns that are "away up" in scores Look up my winnings in March No., and if interested, write. Eggs. $2 for 15, $3.50 for 30. A. L. Rice. Danville, Ill. 4-1

HIGH SCORING Light Brahmas. winners at Rockwell City and Mason City, Iowa. Eggs, cockerels 92¾ to 92, pullets as good, $1.25; Barred Rox, fair stock, 75c. U. Grant Davidson, Manson, Iowa. 4-2

MORTON INGALLS, Middletown, Ohio, breeder of Gold and Silver Wyandottes 12 years: some yet for sale. Eggs from my winners at Crestline, Miamesburg, Oxford, Washington C. H., Louisville, Ky., the past winter, $1.50 per sitting. 4-1

"THE WHITE ROCK MAN" has quality. Yard 1, females 93½ to 95; average 94½; cockerel 94½, cut only ½ point on color. Yard 2, semales 91 to 93; cockerel 94; average 93. $1.50 per 15. Few better, none whiter. The White Rock Man, Calla, Ohio. 4-3

FINE Single-comb Black Minorcas, Brown and Buff Leghorn, $2 per sitting. Fertility guaranteed. Stock $2 to $5 each. Mention this paper. C. M. Goodell. Rockford, Ill. 4 3

PIGEONS as large as crows. Large English Runts that will measure 33 to 40 inches from tip to tip. Also Homers of the best Belgian and American strains. Geo. A. Riel, 122 Cortez st., Chicago, Ill. 4-99-1yr

BLACK RED BANTAM Cockerel, 94 at Chicago, 1899. Six pullets scored 94 to 95¾ by Hines. Also cockerel and six Light Brahma hens and pullets scored. Fred Arthur, Stuart, Iowa. 4-1

AT THE FREMONT show I won three times as many prizes as any other exhibitor of Barred Rocks Twelve birds scoring 90 to 93½. Eggs from this pen $3 per 15; guaranteed fertile. Pen No. 2, not scored, $1.50. C. F. Michael, Fremont, O. 4-1

WHITE PLYMOUTH ROCKS. I have a few choice cockerels left which I offer at $1.50 each. They are all choice birds. Satisfaction guaranteed. Order at once. Harry Furry, Pawnee. Ill. 2-3

EXHIBITION Barred Plymouth Rocks. Do you want to raise prize winners? These grand pens of Montauk headed by sons of Montauk VII. are now booking orders from same at the low price of $1.50 per 15, equal to any $5.00 eggs ever sold. Write S. L. Hetrick, Punxsutawney, Pa. 3-2

F. A. DOOLITTLE, McIntire, Iowa. My Brahmas won first and second prizes at Winona, Minn., (Russell Judge.) Eggs from birds with scores from 92 to 93½ $2.00 per 13. 3-4

H. E. KIPP, Red Hook-on-Hudson, N. Y.—Barred Plymouth Rocks exclusively, Thompson's strain. Eggs for hatching from six choice, well mated yards, $1.50 per 15; $5 per 100. 4-3

BERT KING Breeds choicest strain of Houdans and W. P. Rocks. Stock for sale and eggs 13 for $1.00, 26 for $1.50. Write me your wants, Rockford, Ohio. 4-2

BUFF COCHINS, Barred Rocks. Breeding Stock score 90 to 93½ by Pierce. Eggs, $1.50 and $2 per 15. Best chance to get winners at small cost. Amos Scott. Macomb, Ill. 3-3

WHITE AND BARRED P. Rocks (no white eggs.) Barred, $1 per 13, guarantee hatch of seven. Good stock. Only a few sittings spare. J. G. Westwood, Streator, Ill. 3-3

W. E. RUSSELL, 218 W. Main St., Danville, Ill. Eggs for sale, Cornish Game, per 13, $3; B. P. Rocks, Gold and Silver Wyandottes, per 13, $2. High scoring birds by Hewes. 3-3

BLUE ANDALUSIAN Fowls and Eggs from a vigorous farm-raised, winter-laying strain. Fertile eggs from fine pen of this handsomest variety $1 per sitting. E. T. Froelich, Froelich, Iowa. 3-3

BLUFFTON Road Poultry Farm. White Plymouth Rocks, White Wyandottes, Rose-comb Black Minorcas, Rose-comb Buff Leghorns and Pekin Ducks, $1 per sitting. Henry G. Harber, Sheldon, Ind. 3-3

BUFF AND BARRED P. Rocks. Strains Wilson, Hamm, Hawkins and Thompson. Buff and Barred to the skin. Our birds won at Bloomingburg, Ohio, December, 1898. Eggs, $1 per 15. Paullin Bros, Sedalia, Ohio. 3-3

BANTAMS For Sale—Ten B. B. R. Game Bantam hens and pullets; scored by McClave 93½ to 96; Black Cochins, 90 to 93½. Four Buff Wyandotte Pullets. H. W. Lemon, Mansfield, Ohio. 3-3

A GREAT REDUCTION of White Plymouth Rocks, pure Empire strain. Eggs two-thirds their former price, now $1 for 15. White Holland Turkey eggs, $1.50 for 11. Pekin Ducks, $1 for 15. T. J. Teaney, Greenfield, Ill. 2-3

BUFF LEGHORNS Exclusively. Prize winning strain. Pure buff color; bright yellow legs. Splendid layers of large white eggs. 13 eggs $1.50. Charles L. Thayer, 69th st. and Union Ave., Chicago. 3-3

UTILITY TRIO—Light B ahma, Felch-Williams-Rollins-Comey. Golden Wyandotte, McKean-Brackenburg. Black Minorca, Duff-Wood. Best eggs $2. Address, Mrs. Clara Bisbee, 75 Clarkson St., Dorchester, Mass. 3-3

KLONDIKE—The new breed of chickens, valuable and beautiful plumage. Never fly away. Attract notice everywhere. Good layers. Low introduction prices. Cut and description free. Address, William R. Black, Bolivar, Ohio. 2-3

GAMES—The first prize cockerel at Chicago (1898) heads my yard of Red Pyles and a 94½ cockerel my pen of Black Breasted Reds. Circular free. F. E. West, Darlington, Wis. 2-99-1y

BUFF AND BARRED Plymouth Rocks, Silver Sebright Bantams. Won four firsts and four seconds on Buff Rocks at fall shows. Stock and eggs for sale. Write for circular. C. D. Pautler, Evansville, Ill. 3-3

EGGS $1.00 per setting of 13, warranted from the very best of stock, Light Brahmas, Barred and White Plymouth Rocks and Partridge Cochins. John Hamilton, Box 221, Cuba, Ill. 3 6

PURE BUFF Wyandottes, line bred and bred to win. "A large, fine bird, good in color, shape and comb," says a noted judge of our first prize cock, the foundation head of our strain. Eggs, the kind you want, $2.50 per 15. Catalogue free. H. W. Boles, Deerfield, Utica, N. Y. 3-99-1yr

BUY STOCK and Eggs, Hodgson Strain, Black Javas, Blue Andalusians. Bred 10 years. Winner Worlds Fair, Mid-Continental, Illinois, Iadiana, Kentucky, Missouri State Shows; 15 prizes at late Great St. Louis, also winner at Chicago, Madison Square. Eggs $2.00 per 15, $3.50 per 30. Herbert Hodgson, Albion, Ill. 4-1

PIT GAMES—Brown Reds and Dominiques. If you want Pit Games you want fast strong birds that can win. I have the kind that you want, write me. Satisfaction assured. B. J. Dolph, Saginaw, Mich. 2-3

ORIGINATOR of Buff Brahmas. When I exhibited at Madison Square Garden and N. Y. State Fair won all first and specials. They are the greatest winter layers. Eggs from winners, $2.50 per 13; $4 per 26. Lloyd M. Hallenbeck, Catskill Station, N. Y. 4-2

W. A. BOOKMAN, Hooker, Ohio, breeds S.-c. B. Leghorns, W. P. Rocks and W. H. Turkeys of the finest quality. Eggs, $2 per 15. Turkey eggs, $3 per 11. Stock for sale. Satisfaction guaranteed. 3-99-1yr

L. BROMLEY, Forestville, N. Y. Won on S.-c. B. Leghorns, New York, Pennsylvania and Ohio. Exhibited 21 birds, nine firsts, five seconds and four thirds. Send for catalogue, tells all. 3-3

SHERWOODS. For sale—50 fine, strong Sherwood Cockerels; also 150 Pullets of strong stock. Eggs for incubation a specialty. Write for prices. Smith & Friend, Blanchester, O. 3-3

THREE SILVER Gape Worm Extractors. unequaled, 25c. Hundreds of testimonials and thousands sold. Big profits to agents. Samples and particulars 10c. Dr. Wm. Hallowell, Davisville, Bucks Co., Pa. 3-3

BARRED PLYMOUTH ROCKS, Exclusively. Choice matings of strong, vigorous birds. Eggs for hatching, $1.50 for 15; $2.50 for 30. Try me, I will please you. Perry Ludden, Portville, N. Y. 3-3

AYR PARK FARM, Sturgeon, Mo. Light Brahmas and Pekin Ducks. Cockerels of outstanding merit, with perfect plumage. Overstocked, must sell; $1 and $2. Weight up to the standard. 3-3

LOOK HERE. I won on S.-c. W. Leghorns at Springfield State Fair, 1st, 2d, 3d Pullets; 1st Breeding Pen: 2d Cockerel. At C. I. P. Show I tied 1st Breeding Pen, 1st Hen; got 2d Cockerel. Some fine birds cheap. Eggs, $1.50 per sitting, straight. Only showed twice. Thos. Pelford, Petersburg, Ill. 3-3

D. L. STAUFFER, Spring City, Pa. Eggs from Buff Wyandottes that won the red and blue at Washington, Madison Square, Hagerstown, Mt. Gretna, Poughkeepsie and Middletown. $3 per sitting. Cat. free. 3-3

PRIZE WINNERS—Rose and Single-comb Brown Leghorn—greatest laying strain. Having Forsyth's Kulp's, and Bright's stock, also S c. Whites, eggs from selected matings, $1 per 15; $1 50 per 30. Exhibition Buff Cochins and Buff Leghorns, eggs from winners, $2 per 13. Glenwood Farm. L. M. Hallenbeck, Catskill Station, N. Y. 4-2

OUR BUFF LEGHORNS won six firsts and eleven other prizes at Bloomington and Grand Ridge Shows. Our Pekin Ducks won 1st and 3rd on other drakes and ducks. Stock and eggs for sale. Free circular. Bennett & Isham, Mazon, Ill. 3-3

FOR SALE

EGGS—Limited number White Rock at $1 per 13. Cock 91¾; hens 91½ to 93½ by Chas. McClave. Write Ralph Wilson, Bloomville, O. 4-3

STOP! READ!—Buff Rocks, Blue Andalusians, B. B. R., Game Bantams. Eggs, $1 per 13: $1.75 per 26: Incubator eggs. $5 per 100. Order of me and be pleased. J. T. Essick, Grand Ridge, Ill. 4-3

NOW is the time for Pekin Duck eggs. I have them and will sell them at 75c per sitting. Send a stamp for catalogue. Edwin W. Fly, Chalfant, Pa. 4-3

FOR SALE—White Holland Turkey eggs, 9 for $1.25, or 18 for $2.25; Large Pekin Duck eggs, 11 for $1, or 24 for $2; Barred Plymouth Rock eggs, 15 for $1, or 30 for $1.50. Breeder of Southdown Sheep. A. J. Peugh, Salem, Ind. 4-3

HERE is your chance at farmers' prices. Eggs from Dark Brahmas, Partridge Cochins, White Wyandottes, Barred Rocks, White and Black Minorcas, $1 per 13; 75 per cent. hatch. Frank Balser, Yountsville, Ind. 4 4

SECURE these grand bargains 40 White Rocks, 50 Brown Leghorns. females, 20 Black Minorcas, 10 Black Java cockerels, 20 Blue Andalusians, 3 Buff Bantam cockerels, 30 Toulouse Geese. Herbert Hodgson, Albion, Ill. 4-1

PHEASANT EGGS—Ornamental and Game Pheasant, breeding by Wallace, 20c; Ferret Keeper, by Wallace & Son, 10c. Ferret Muzzles, by mail, 20c. Wallace & Son, Lucas. Ohio. 4-3

WHITE HOLLAND Turkey eggs from choice stock, only $2 for 12; $3.50 for 25. A few young toms for sale. M. E. Servoss, Edison, Cook county, Ill. 4-3

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

FOR SALE—Barred P. Rock Eggs from best strains and good strong birds. $4.00 per 100 eggs. Buff P. R. Eggs choice $2.00 per 13 eggs. Pekin Duck Eggs, Pollard strain, large, $1.00 for 11 eggs. Carefully handled John Baynes, Salem, Ind. 3-tf

EGGS FOR INCUBATORS. Barred P. Rocks and S. C. Brown Leghorns $4.00 per 100. Eggs from high scoring pens, same varieties mated for best results. Satisfaction guaranteed. Highland Poultry Farm, Box 714, Des Moines, Ia. 3-3

FOR SALE—Look Here. Your chance to get eggs cheap from my high scoring Light Brahmas and Single-comb Brown Leghorns. Eggs $1. per 13 straight. Satisfaction guaranteed. H. E. Emmel, Box 43, Ogle, Pa. 2-3

FOR SALE—Cornish Indian, Rose-comb Black Minorca eggs, $3 per 15. Barred Plymouth Rock, Single comb White and Black Minorca eggs, $1 per 15. Gross Bros., Greene, N. Y. 3-3

26 EGGS, $1, 100 $3.50. White Rocks exclusively. At Rochester, 1899, won 1st pen; 2d pullet, 3d hen, 4th cock. Hens, $6.50 per 6. Franklin Parrish, West Greece, N. Y. 3-3

EGGS—Barred Rocks, (Miles strain) $2 per 15; (Russell strain) $1; Light Brahma, $1; Pekin Ducks, (Rankin strain) $1 per 11. Strawberry, Raspberry and Blackberry Plants. Hollinrake & Son, Keithsburg, Ill. 3-3

EGGS For Hatching from fine stock. Single-comb White Leghorns, Barred Plymouth Rocks, Silver Laced Wyandottes, Buff Cochins, $1 per 15; $4 per 100. For sale by R. F. Redick, Spencerville, O. 3-3

EGGS $2 per 13 from 13 varieties of chickens. Duck eggs $1.50 per 7, 3 varieties. Turkey and Goose eggs 20c each, 2 varieties each. Circulars. Birt Breighner, Clinton, Ill. 3-3

FOR SALE—Stock and eggs from Chicago and Cedar Rapids Winners. Buff Wyandottes, S. G. Dorkings, Dark Brahmas and ten varieties of Bantams. Eggs $2 per sitting; 3 sittings, $5. Express paid. Address, M. F. Yegge, Dewitt, Ia. 3-3

FOR SALE—Buff Bargains. 200 Buff Leghorns. Females $2 and $3; males, $2, $3 and $5. Eggs of Buff Rocks, Buff Leghorns and Mammoth Bronze Turkeys. Circular and price list free. S. J. B. Dunbar, Elkhorn, Wis. 3-3

FOR SALE—Cornish Indian Games, Barred Ply. Rocks and Buff Bantams. Eggs $2.50 per 13. My yards contain the leading strains. A few choice breeders left. J. L. Herbst, Sparta, Wis. 2-3

FOR SALE—Barred Plymouth Rock Eggs. Send $3. for 100 fresh, fertile eggs from large stock that score in the 90's. No sick birds in my yards. Clara V. Beardsley. Buckingham, Ill. 2-3

FOR SALE—Fine Buff Cochin and Black Minorca fowls. Eggs in season from following varieties: Buff Cochins, White Cochins, Light Brahmas, Silver Wyandottes, Barred Rocks, Houdan, Black Minorcas and Blue Andalusians. Mrs. James Mann, Fremont Co., Hamburg, Iowa. 2-3

FOR SALE—150 big boned well marked Light Brahmas, Partridge Cochins, and B. P. Rock cockerels. Prices low quality considered. Write for prices. W. T. & S. J. Sayler, New Market, Ind. 2-3

EGGS For Hatching from prize winning Plymouth Rocks, (Thompson) Buff and Partridge Cochins, $1.50 per 15. Send for circular. Address, Will Allen, Greenfield, Ill. 3-6

MILLET! MILLET! MILLET! For sale at $1.10 per bu., 2 bu., $2. Nothing better to keep poultry healthy. Try sample and be fully convinced. Old Honesty Poultry Yards, Rockford, Ohio. 3-3

FOR SALE OR EXCHANGE—All my fine Barred P. Rocks. Some of them are direct from Sid Conger, others from Conger's prize winners. For Incubators prefer Von Culin and Prairie State, or Reliable latest improved, or sectional brooders of either. Will breed only Buff Rocks and Leghorns. Which have you. J. L. Jones, New Amsterdam, Ind., Member Buff Rock Club. 4-1

FOR SALE—Buff Leghorn cockerels, sired by first prize cock Chicago, 1898. Price, $2, $3, $4 and $5 each—fine ones. Winners since 1890. Large circular free. Geo. S. Barnes, Battle Creek, Mich. 3-2

EGGS From Prize Winners. Partridge Cochins, Black Langshans, Light Brahmas, Imperial Pekin Ducks, $1 per 15. Mammoth White Holland Turkey eggs 15c each, Mrs. H. L. Adair, Clayton, Ill. 3-3

ONLY $1 per sitting of 13 for fancy White Plymouth Rock eggs. For quantity write me for prices. A. Langlee, Lanesboro, Minn. 3-3

EGGS From Barred and Buff Plymouth Rocks, grand in size, shape and plumage, have won first wherever shown. Eggs, $1.50 per 15; $2.50 per 30. Link Roberts, Opera, Perry Co., Ohio. 3-3

FOR SALE—Buff Leghorn eggs, from birds scoring 92½ to 93½ by Pierce. Large and good; buff to skin. $1.25 per 13. Address Miss Bertha B. Bryant, Oxford, Ohio. 3-3

FOR SALE—Langshan, S.-c. Brown Leghorn and Pekin Duck eggs, each 75c per sitting. Joseph T. Barton, 220 E. Randolph St., Chicago. 3-3

FOR SALE—Some fine Scottish Terrier Dog Pups. Golden Wyandottes, $2.50 to $5 per pair. Bantam incubator in good order. A. F. Hertzler, Burlington, Ia. 3-3

EGGS $1.50 per sitting, from Rose-comb Black Minorcas and Buff Rocks. For Sale—Pedigreed Black Cocker Spaniel female pups. Will Heintz, 819 Vine Street, Quincy, Ill. 3-3

ONLY FIFTY CENTS per sitting if you order two sittings at a time. Barred, White, Buff Rocks, Buff and R.-c. W. Leghorns, Black Minorcas, Houdans. Dake Poultry Yards, Nunda, N. Y. 3-3

EGGS—Barred Rocks, E. B. Thompson strain, pure, $2. White Rocks, $1.50. Two White Holland Toms, $2. R. H. Rowland, Saybrook, Ill. 3-3

EGGS—$1 per 13, from birds bred for layers. Buff Rocks, Buff Leghorns, White Wyandottes, R.-c. Brown Leghorns, Buff Cochin Bantams. Grass range. W. J. Wiberley, Peekskill, N. Y. 3-3

FOR SALE—S. S. Hamburgs, B. Plymouth Rocks, Silver Wyandottes, Light Brahmas, M. B. Turkeys, B. B. Red Game. Egg orders booked now. Belgian Hares. Bennie Hagen, Keyser, Wis. 3-3

BUY THE BEST $1 eggs ever sold anywhere. Circular telling all about them free. Barred Rocks, White Leghorns, Silver, Sebright and Buff Cochin Bantams. James Hallenbeck, Altamont, N. Y. 3-3

FOR SALE—Pure Bred Blue Langshans, White Wyandottes, Rose-comb Black Minorcas, Barred P. Rocks, Pekin Ducks. Noted strains. Eggs for hatching. Stamp for reply. Mrs. Irene Fleming, Circleville, Ohio. 3-3

EGGS of Hocking Farm, Madison Square Garden, N. Y., Po. Show prize winners. Black Cayuaga Ducks, White and Silver Laced Wyandottes, Barred and White Plymouth Rocks. Eggs, $1.50 per sitting. Clarence W. King, Romulus, N. Y. 3-3

STRANGE TO SAY that Mrs. L. Rummell, of Wyoming, Ia., sells eggs at just $1 per 13 from prize-winning S. Wyandottes; good shape and markings. S. Hamburgs, beautiful spangles, and B. Minorcas. All from leading strains. (12th year.) 3-3

FARM FOR SALE—Good farm of 30 acres, 50 miles east of Chicago. New buildings, windmill and fruit of all kinds. Five miles east of Valparaiso, Ind. A No. 1 location for poultry farm. For particulars address R. L. Gordon, Valparaiso, Ind. 3-3

13 EGGS $1.00, Cockerels $1 each; B. B. R. Games, Light Brahmas, Barred and White Rocks, Buff and Partridge Cochins, Langshans, Javas, White Wyandottes and Buff Cochin Bantams, H. E. Cocroft, Lake Geneva, Wis. 3-3

FANCY PIGEONS for sale or exchange. Want Trumpeter cock, Vim cock or Indian Games, Dark Brahmas, Golden Wyandottes, Pekin Ducks, Sebright Bantams, B. B. R. G. Bantams. F. P. Fergason, Owosso, Mich. 4-3

EGGS FOR SALE From White Plymouth Rocks for a short time at 50c per 13. B. P. Rocks, Golden, White and Silver Wyandottes, White Minorcas, S. S. Hamburgs, L. Brahmas, Buff Leghorns, $1 per 13, till May 15, later one-half price. Write your wants. L. C. Stamm & Co., McConnell, Ill. 3-3

FOR SALE—Forty Single-comb Brown Leghorn Hens and Pullets at $1 each; six Cockerels at $1 to $1.50 to close. Eggs in season from the finest of matings, $2 per 13. Wm. G. Warnock, Geneseo, Ill. 3-3

FOR SALE—Barred Plymouth Rocks, Buff Plymouth Rocks, White Plymouth Rocks, Silver Laced Wyandottes and Partridge Cochins. Eggs, $1.50 per 15. Warranted good hatch. Prize winning strains. J. T. Molloy, Laurel, Ia., Marshall Co. 3-3

FOR SALE—Buff Plymouth Rocks. Stock for sale. Incubator eggs $4 per 100. Circular free. James H. Corwith, Water Mill, N. Y. 2-3

FOR SALE—A few White Wonder, Black Minorca and White Wyandotte cockerels at $1.50 per bird. F. E. Pearsall, Batavia, Ill. 2-3

FOR SALE—Rose-comb Brown Leghorns, best layers, good stock eggs, $1. per 13, $4. per 100. B. F. Reitz, Elysburg, Pa. 2-3

FOR SALE—I pay Express. L. Brahmas and S-c. W. Leghorns. Eggs $2. per 13. $3.50 per 26. Breeding stock scoring no less than 91 up to 94½. Stock for sale. Pear Grove Poultry Yards, P. O. Box 753, Nashville, Ill. 2-3

FOR SALE—Peacomb, White and Barred Plymouth Rock a specialty; also Buff Rocks, White and Black Langshans. Stock for sale. Eggs, Book anytime. For particulars enclose stamp. Geo. Stelzer, Oshkosh, Wis. 2-3

FOR SALE—Mammoth Bronze Turkeys, largest strain. Barred and White Plymouth Rocks, Hawkins strain, choice stock, perfect health. Write for circulars and low prices. D. S. and F. Smith Belleville, Wis. 2-3

FOR SALE—Buff and Golden Wyandotte, scored stock and eggs for sale, Forsyth and McKee strains. Buff eggs $2 per sitting. Golden $1. per sitting. Mrs. J. S. Rowell, Beaver Dam, Wis. 2-3

FOR SALE—Barred Plymouth Rocks exclusively. Eggs, special mating, $1.50 for 15., $2.50 for 30. Various yards, $1. for 15, $2. for 45. Satisfaction guaranteed. Circular free. W. H. Heiwig, New Bedford, Ohio. 2-3

FOR SALE—Silver Wyandottes. Choice cockerels and pullets from prize winning strain for sale at $1.50 each. Eggs $1.50 per 15. L. A. Junod, Mulberry Grove, Ill. 2-3

FOR SALE—Eggs for hatching from good birds. Dark Brahmas, Light Brahmas, Buff Cochins, Golden Laced Wyandottes, White Wyandottes. Circular free J. M. Nyce, Elroy, Montgomery, Co., Pa. 2-3

FOR SALE—50 B. P. Rock cockerels; 100 B. P. Rock hens and pullets; 50 Pekin Ducks and Drakes; 20 S-c. W. Leghorn cockerels at $1 each. Clara V. Beardsley, Buckingham, Ill. 12-7

FOR SALE—English Pheasants—beautiful plumage; profitable; easy to raise; hardy; bear confinement better than chickens. First prize Chicago Show. Pheasants and eggs for sale. Dr. G. Fricke, Park Ridge Ill. 2-3

FOR SALE—Silver Laced Wyandottes exclusively. Our birds have won prizes wherever exhibited. A choice lot of cockerels and pullets at right prices. Eggs $1.50 per sitting. Cobb Sisters, Compton, Lee Co., Ill. 2-3

FOR SALE—Buff Rocks and Buff Wyandottes that are winners (McClave and Hathway judges). Eggs $1. Partridge Wyandottes that won all firsts and seconds, Eggs $1.25. C. F. Early, East Palestine, Ohio. 2-3

FOR SALE—White P. Rocks exclusively. Eggs March 1, pen No. 1, of Hawkins and Frost hens, headed by my best Ideal cock, $2.75; pen No. 2, $2.; all purest white pullets and cockerels, trio $4.; trio with Ideal cockerel, $5.50. Eureka Poultry Park, City office 118 E. 43d st., Chicago, Ill. 10tf

FOR SALE—All breeds of poultry, pigeons, pheasants, rabbits, ferrets, guinea pigs, cats, dogs, goats. Shetland ponies. 2 cent stamp for circular. Address Col. J. Leffel, Springfield, Ohio. 2-3

FOR SALE—Eggs for hatching from thoroughbred Barred Plymouth Rocks only; $3. for 100; $2. for 50; $1. for 15. Send me your orders I will treat you right. A. Richter, Homewood, Cook Co., Ill. 2-3

15 EGGS $1. Buff Leghorns, Buff Wyandottes and Buff Cochins. High scoring stock, bred from prize winners. Leghorn pen headed by a 92½ point cock. Frank I. Johnson, Harcourt, Iowa. 3-3

FOR SALE—Halteman's Golden Wyandotte at Toledo, Ohio, Dec. 16-21-98, won 1st cock, hen and cockerel; 2d hen, cockerel and pullet; 3d and 4th pullet; 1st breeding pen. Hundreds of prizes won. Cockerels for sale cheap. Golden and Partridge Wyandottes. Eggs $3. G.E. Haltemann, Box C. Tiffin Ohio, 2 3

FOR SALE—Down goes the prices but not the quality. Cocks, White Plymouth Rock and White Leghorn, $1.50 to $2. each. The Rocks average in weight 10 lbs. One breeding pen of White Leghorns, "Dewey" and four mates $5. Birds hatched two years ago this spring from Hewes & Knapp Bros. $3 eggs. Benj. H. Hiestand. Martinsburg, Ind. 2-3

FOR SALE- $1. for 12 eggs from Buff Rocks and Buff Leghorns wi l surely please you. Stock for sale. N. A. Thelander, River Falls, Wis. 2-3

FOR SALE-Barred Plymouth Rocks, Chas. McClave strain, four pens scored and mated by D. T. Heimlich. Eggs $1.50 per 13. Mrs. C. H. Rankin, Fall Creek, Ill. 2-3

FOR SALE—Barred Plymouth Rock, E. B. Thompson strain. Pu lets and cockerels for sale. Eggs $2. for 15, $3 for 30 E. W. Wheeler, Cedar Springs, Mich. 2-3

FOR SALE—When ready to place your order for eggs don't forget to send for our catalogue, it is free and prices very low for '99. Enterprise Poultry Farm, Ne w Lexington, Ohio. 2-3

FOR SALE—White Wyandottes and S-c. White Leghorn cockerels. On account surplus will sell at $1 to $3, bred from best strains in the world. F. C. Wilcox, Joliet, Ill. 2-3

FOR SALE—Games $1 for 13 eggs. Free Circular. Irish Black Reds, Heathwoods, Irish and Mexican Grays, Tomadoes, Rouen Ducks, Cornish Indians $2. C. D. Smith, Fort Plain, N. York. 2-6

FOR SALE—Barred Plymouth Rocks Exclusively America's Best strains. Hawkins, Conger, Thompson, Lawton, Lash, etc. Exhibition birds a specialty. Satisfaction guaranteed. Eggs in season. Send for circular. J. D. Stevenson, Killbuck, Ohio. 2-3

FOR SALE—Buff, Barred and White Rock roosters $1. each. Eggs from Cochins, Brahmas, Langshans, Wyandottes Games, Redcaps, and Rocks $1. setting. Poland-Chinas $10. to $15. each. R. H. Vanderhoof, Newton Ill. 2-3

FOR SALE-Bargains, pens Black Javas, Buff Cochins, Buff Leghorns, Light and Dark Brahmas, Single and Rose-comb, White, Brown, and Dominique, Leghorns, Minorcas, Barred and White Rocks, Cayuga Ducks. Egg orders a specialty. J. Stevens, Webster City, Iowa. 2-3

FOR SALE—My Barred and Buff Rocks, Buff Leghorns and Silver Wyandottes. Will bring joy and prosperity to any family. Stock for sale. Eggs in season. O. P. Nesmith, Bluford, Ill. 2-3

FOR SALE—B. P. R. Games, eggs from my this season's winners at Chicago, St. Louis, Cleveland and Cedar Rapids. Can also supply you with birds. J. C. Pratt, Agt., La Grange, Ill. 2-3

FOR SALE—Winners from Black Langshans, pen scored 188½ by judge Lane. 32 cockerels. 45 pullets, 92½, 94, points, judges McClave and Heimlich. Eggs $1.50 per 17. H. W. House, South Bend, Ind. 2-3

FOR SALE—Look here if you want stock or eggs of Buff or Barred Plymouth Rocks or Cornish Indian Games. Stock guaranteed, write, I can please you. J. S. McKinley, Easton, Ill. 2-3

FOR SALE—15 eggs $1. Wyandottes, Black Langshans, White Leghorns, Barred and Buff Plymouth Rocks, Black Minorcas. Breeding from yearling stock, large and fine. J. E. Black, Fairfield, Ill. 2-3

FOR SALE—Barred Rock eggs for incubators, $4. per hundred, cheaper in large lots. Stock very fine, large vigorous birds. Highland Poultry Farm, Box 714, Des Moines, Iowa. 2-3

FOR SALE—Wyandottes,— Golden, Buff and White. My stock is away up in color, size and shape. For healthy well bred birds or eggs write to J. R. Douglas, Mound City, Kas. 2-3

FOR SALE—White Plymouth Rocks, 1 rooster and 4 hens $5.; hens $1. each. Eggs $1. per sitting from chickens scoring 90 to 93½ points. Charles Fifield, 137 Oneta St., Youngstown, Ohio. 2-3

FOR SALE—Barred Plymouth Rock Eggs for Hatching. Leffel and Hewes strains. Eggs $1.50 for 15; $2.50 for 30. S. S. Snyder, Cedarburg, Wis. 2-3

FOR SALE—Barred Plymouth Rocks exclusively. None better. Chicks hatched from my stock took first prizes at Kankakee County Fair in '96 and '98, only times on exhibition. Eggs $1. for 13, securely packed and shipped to any part of the world. Stock for sale after Sep. 1st. J. Frank Tyler, Chebanse, Ill. 2-3

FOR SALE or exchange for bicycles or typewriters, 300 White Wyandottes, Black Langshans, Pekin Ducks, fine stock; 4 brooders, practically new; very low prices. C. E. Harness, Corydon, Ky. 2-3

BARGAINS in S.-c White Leghorns, W. Plymouth Rocks, B. B, R. Games and S. S. Hamburgs, $4 per trio. Eggs, $1 per 13. Rud. Kranz Niles, Cook Co., Ill. 3-3

FOR SALE—Paragon Lanshans bred 15 years; winners of three silver cups and over a hundred other premiums. Many years experience in mating. Eggs $3. C. C. Harper, 1212 Monroe St., Peoria, Ill. 2 3

FOR SALE—Black Langshans. Some fine stock suitable for exhibition and breeding purposes, for sale at reasonable prices, and guaranteed to please purchaser or money will be refunded. Thomas S. Falkner, Tiffin, Ohio. 2-3

FOR SALE—Buff Cochin cockerels, scored by Hewes and Felch; write your wants. Eggs for sale in season. Henry W. Hope, Chenoa, Ill. 2-3

FOR SALE—20 eggs for $1. Barred, White and Buff Plymouth Rocks, Brown, White and Buff Leghorns, Black Minorcas, Hamburgs, Houdans and Wyandottes. 12 other varieties, catalogue 2c. John Rubrecht, Telford, Pa. 2-3

FOR SALE—Dark Brahmas, Silver Wyandottes, Pit Games, Pekin Ducks eggs $1.50 per 15, Poland-China Hogs, 4 males, 12 females. Satisfaction guaranteed. See other adds. H. W. House, South Bend, Ind. 2 3

FOR SALE—35 M. B. Turkeys, Toulouse geese, heavy weight, winners at Chicago show, 1 1st, 2 2d, 4 5th, $3.25 per 13 eggs; geese eggs $3.40 per 9. H. W. House, South Bend, Ind. 2-3

FOR SALE—Bargains! Closing out, 30 Black Minorcas, 24 Buff Leghorns, 10 Partridge Cochins, 30 Buff Wyandottes, $1. each, including show birds if all taken. White Wyandottes, Buff Plymouth Rocks a specialty. Send stamp for circular. Nuss & Son, Tina, Mo. 2-3

FOR SALE—Half Price Sale. Minorca cockerels; pair Brown Leghorns; pair Silver Wyandottes, and well trained Beagle hound. All fine stock. Write for prices. C. A. Mack & Bro., East Greenville, Pa. 2-3

FOR SALE—Bronze Turkeys from Mid Continental winners. Barred P. Rocks, Buff Cochins, and Toulouse geese. Write for prices. Mrs. G. F. Fleming, Box 52, Rosendale, Mo. 2-3

FOR SALE—Lake Shore Poultry Farm offers the finest lot of Partridge Cochins, Light Brahmas, and Single-comb White Leghorns ever offered. Eggs $1.50 per 13. Satisfaction guaranteed. Mrs. H. Marlow, Box 217 Beaver Dam, Wis. 2-3

FOR SALE—Eggs, White and Barred Rocks; Buff and Rose-comb, White Leghorns, $1. per 13; $2. per 30. Buff Leghorns and Pekin Drakes for sale. Mrs. Nannie Oates, Box 26, Vernon, Ill. 2-3

FOR SALE—80 per cent hatch guaranteed, from Barred or White Plymouth Rock eggs from my yards or sitting duplicated at half price. $1.50 per 15. Strictly standard bred. Fred H. Hand, Cambridge, Ill. 2-3

FOR SALE—Eggs from R-c. Brown Leghorns scoring from 94 to 95 by Pierce, winners in '97 and '98. $1.50 per 13. Good hatch guaranteed. John H. Ditsch, Box 250, Mishawaka, Ind. 2-3

FOR SALE—Cheap high class English carriers, in black, dunn and blue, winners at Peoria show; all good birds. 20 years a breeder. F Hudson, 209 Thrush Ave., Peoria, Ill. 2-3

FOR SALE—100 egg incubator and 100 chick brooder (Prairie State) used but one season and in perfect condition. Cost $35. Both now, $22. Howard Norton, Box 217 Lockport, Ill. 2-3

FOR SALE—325 egg Monarch incubator, good as new, $35.; 150 chick Old Hen Brooder, $2.50; pen Buff Cochins, $7. Thoroughbred Light Brahma hens, $1. and $1.50 while they last. Oscar L. Von Nieda, Lane Co., Ephrata, Pa. 2 3

FOR SALE—25 Light Brahma cockerels score 88½ to 92 by Hewes (judge), Felch and Autocrat strain. Price $2. to $5. with score card. Eggs $2 per 13. Henry Linne, Danville, Ill. 2-3

FOR SALE—White Minorca, Buff Leghorns, Black Minorcas, Partridge Cochins, strictly first-class. Write for prices, a few fine birds for sale cheap. Eggs in season. Mrs. C. M. Gordon, Georgetown, Ohio. 2-3

FOR SALE—Fine Partridge, Buff and Black Cochins, $2. to $5. each, $5 to $10 per trio. Eggs $2. per 13, $5. per 39. Dr. H. F. Ballard, Chenoa, Ill. 2-3

FOR SALE—Leghorns, R-c. Brown and S-c. White. Prize winners at $1 each. Eggs for sale at $1. per sitting, 15 eggs per sitting. Herman Siedel. Georgetown, Ohio. 2-3

FOR SALE—My Buff Rock Matings this year are grand, can fill all orders for eggs at $2. per sitting, $3.50 per 26. Some stock for sale. Joseph Kay, David City, Neb. 2-3

FOR SALE—White Wonder eggs, $2. for 13. White Wonder, the all purpose fowl, good winter layers. Will book orders from now until season opens. Frederick Hill, Holland Grove Yard, Washington, Ill. 2-3

FOR SALE—Light Brahmas—no one stock. I make a specialty of this breed; 150 fine birds at reasonable prices for quality. and White Holland Turkeys. Satisfaction guaranteed. Eggs in season. M. L. Rude, Liberty, Ind, 4-4

FOR SALE—13 eggs $1. per sitting of English Red Caps, Light Brahmas, Black Minorcas, White Minorcas, Silver Wyandottes and White Leghorns. Frank Tobias, Mt. Aetna P. O., Berks Co., Pa. 2-3

FOR SALE—White Holland turkey eggs from large stock $2. per dozen. Barred Plymouth Rock eggs $1.50 per sitting. A specialty of above birds for 15 years. Mrs. J. J. Myers, Woodlyn, Ohio. 2-3

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EGGS—75c per 15, from highly bred Barred Rocks. One hundred and twenty pullets headed by ten large fine cockerels. No inbred stock. Carrie Babcock, Welton, Clinton county, Iowa. 4-3

EGGS—Barred P. Rocks and S-c. B. Leghorns ftom best breeders in the land, E.B. Thompson, E. L. Miles and others, $1 per 15. Duane Shaw, Palestine, Ill. 4-1

15 EGGS, $2-Standard bred Light Brahmas, Buff and Partridge Cochins, Buff and Barred Rocks, C. I. Games, S-c. Brown Leghorns, Bronze Turkeys. John C. Lamb, Voorhies, Ill. Box. 7. 4-3

PHEASANT EGGS—English Ring-neck Pheasant eggs, after April 15th, $3 per 13. Young Pelts after Sept. 1st. Orders booked now. J. W. Arnold, Sandwich, Ill. 4-3

FOR SALE—Barred Rock eggs from two pens. Pen No. 1, $1.50; No 2, $1. My birds took first at the county fair. T. T. Weeks, Indianola, Iowa. 4-3

FOR SALE—Light and Dark Brahma, Black Langshan, White, Buff and Partridge Cochin, Cornish Indian Game, Rouen Duck eggs, $1 per 15. $195 won in '97-'98. J. A. Vaughan, Ewing, Ill. 4-3

FOR SALE—Barred Plymouth Rock and S-c. B Leghorn eggs for sitting from good stock at $1.50 per sitting. For particulars write to Wm. Sauerwein, Elmore, Ohio. Box 45. 4-3

FOR SALE—Two good 100-chick brooders, and one 18-in. Majestic lawn mower. Write for prices at once and address Jacob S. Handte, Calla, Ohio. 4-1

FOR SALE—Great bargains—South Side Poultry Yards Buff Leghorns and Golden Wyandottes. Choice birds. Eggs, $1.50 per sitting. Try us. Satisfaction guaranteed. C. F. Blackman & Son, 116 South street, Painesville, Ohio. 4-3

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EGGS—B. P. Rock, White Wyandotte, Pekin Ducks, $1 for 15; Toulouse Geese, M. B. Turkey, $2 for 12. Address, R. S. Drain, Pana, Ill. 4-3

FOR SALE—Golden Wyandotte and S-c. B. Leghorn eggs from farm raised poultry, $1 per 15. Young stock after August 15th. W. G. Young, Harvard, Ill. 4-3

FOR SALE—Buff Wyandottes and Pekin Ducks. Wyandottes scored 91¾ at Bellville, Dec. 13, 1898. Eggs, $2 per 13. John O. Betler, Evansville, Illinois. 4-3

FOR SALE—Eggs, $1 per 15, from best strains of Barred and W. Plymouth Rocks. Chickens can't be beat. Address, John M. Ross. Richland Center. Wis. 4-1

PIGEON SALE—High class pigeons consisting of Pouters, Jacobins, Swallows Tumblers, Homers, and Fantails in all colors. Stamp for reply. L. R. Brakel, Plymouth, Ind. 4-3

15 LARGE Pekin Duck eggs for $1; 75 for $2; 100 for $5. Rankin's strain. Free range on the farm. All eggs fertile; good hatch guaranteed. Frank Curyea, Strawn, Ill. 4-3

EGGS—Barred, Buff and White Plymouth Rocks, S-c. Black Minorcas, Black Langshans, and Buff Cochin Bantams. Send for descriptive catalogue and price list. C. C. Eldridge, Honeoye, N. Y. 4-3

FOR SALE—Bargain. Closing out 35 head fine stock Light Brahmas, B. P. Rocks, White Wyandottes; bone mill, houses, fences. Place can be rented. Fine chance to start. J. A. Wiseman, 7311 Wright street, Chicago, Ill. 4-1

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EGGS—From prize winners, all line bred, Pekin Ducks, $8 per 100; choice S. c. Brown Leghorns and White Wyandottes, $5 per 100. Satisfaction guaranteed. Joshua M. Bumgarner, Mt. Palatine, Ill. 4-3

EGGS—$1.25 per sitting straight. Ten pens Blue Barred Plymouth Rocks, Hawkins' Royal Blue and Nissley strains. Exclusive breeder. Your choice from cockerel, pullet, single, double, and select matings. F. B. Fenton, Beloit, Wis., River View Farm, Standard Poultry Yards. 4-3

EGGS FOR SALE—From large B. P. Rocks, $1.50 per 15; Light Brahmas, Shellabarger, Felch, and W. S. Gregory strain direct, $2 per 15; good hatch guaranteed. F. M. Likens, Barnes, Iowa. 4-1

EGGS FOR HATCHING—Light Brahmas, Barred Plymouth Rocks, Single and Rose-comb White Leghorns, $1.50 per sitting of 15 eggs. Hill Side Farm, Groton, Tompkins county, N. Y. P. O. Box 61. 4-3

EGGS FOR HATCHING—From 12 of the most leading varieties of poultry. Stock for sale. Send for catalogue. Pekin Duck eggs, $1 per 11. Locust Grove Poultry Farm, Rewey, Wis. Box 161. 4-3

I CUR in want of eggs from my prize mated pen of Buff Rocks, that's won honors in the show room and Buff to the hide. Burdick's, Wilson's, and Denney's stock. Eggs, $1.25 per 13; $2 per 26. Glenwood Farm, L. Hallenbeck, proprietor, Catskill Station, N. Y. 4-2

EGGS—S-c. Brown Leghorns, 50c for 26; B. P. Rocks, Light Brahmas, Pekin Ducks, $1 for 15; Bronze Turkeys, Toulouse Geese, $1.50 per 9. Thoroughbred stock. J. A. Peterson, Vincent. Webster county, Iowa. 4-3

15 EGGS from choice pens of B. P. Rocks, Buff and Partridge Cochins, S. L. Wyandottes, for $2 from old hens, and $1.50 from pullets. A few Cochins and Rock cockerels left. This stock is well bred and will not dissappoint you. I will see you satisfied. Sylvester Page, Thomson, Ill. 4-3

EGGS FOR HATCHING—S-c. Black Minorcas. Flock headed by cock Emerald, won first at Pittsburg, Pa., 1897. His birds won 1st at Sabina, O., 1898. Also White Wyandotte eggs from select matings. Motto is to please. Eggs $1 for 13, either variety. Stock for sale in fall. C. Doudna, Lexington, Richland county, Ohio. 4-3

NEVER TOO LATE to do right, but the sooner the better. Send me your order for eggs. I have just what you want. Eggs from fine Light Brahmas and Barred Plymouth Rocks, $2 per sitting; 2 sittings $3.50; 3 sittings $5. C. H. C. Anderson, Carlinville, Ill. Box 143. 4-1

FOR SALE—15 eggs for $1.50, from fine Light Brahmas or White Wyandottes whose sires took first prize at Illinois and Indiana State shows. Dr. Lambert, Coatsburg, Ill. 4-3

FOR SALE—Eggs from high scoring B. P. Rocks, 13 for $1; 26, $1.50; Russell strain White Wyandottes, 13 for $1.50; 26, $2.50; Arnold strain Light Brahmas, 13 for $2; 26, $3.50; Higley strain Incubator eggs, 100 for $6. J. A. Wiseman, 7341 Wright street, Chicago, Ill. 4-1

FOR SALE OR EXCHANGE—One Mann's bone cutter, good as new (cost $16); two colonies of Italian bees; a lot of Bonanza artichokes, and fine Red Raspberry plants. Will exchange either for standard bred poultry. Mrs. C. W. Rapp, Ridgeway, Ill. Box 78. 4-3

CHEAP!—ONE DOLLAR—CHEAP! Per sitting from strong, standard-bred Barred Plymouth Rocks (best pens), and Pekin Ducks. Incubator eggs reasonable, Satisfastion guaranteed. George D. Crawford, Wallingford, Ill. 4-3

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SEED SWEET POTATOES—Strawberry, raspberry and blackberry plants, approved varieties for cash, or limited exchange for pure Hamburgs, Leghorns, Andalusians, Toulouse Geese and Ferrets. Peebles, Ihle & Co., Cobden, Ill. 2-3

WANTED

WANTED—Position as manager or assistant for a Poultry-Duck Farm, I know my business. Richard Backer, 311-59 Dearborn street, Chicago, Ill. 4-3

FOR EXCHANGE

TO EXCHANGE—I make good harness, will exchange for Black Minorca cockerel. W. Holland Tom, Pekin Ducks or White Wyandottes, Buff Rocks. Must be good stock. J. A. North, Lake Zurich, Ill. 2-3

FOR EXCHANGE—One Bull Dog or Bitch for Buff or White Cochins or pigeons. Pigeons and Buff Cochins for sale. Lumley's Pigeon Loft, 142 Searle st., Pittston, Pa. 2-3

FOR EXCHANGE—100-size Des Moines Incubator—good as new, have used one season. Will sell for $13 cash or exchange for a '98 model wheel. Geo. Gilmore, Beaver Dam, Wis. 3-3

FOR EXCHANGE—One trio four-year-old Pea Fowls in splendid plumage, for choice poultry, pigeons or phesants. E. B. Eaton, Pontiac, Mich. 3-3

TO EXCHANGE—Choice pedigreed Collie pups; want W. Wyandottes, Ferrets or cash. What have you? White and Buff P. Rock eggs from winners, $2 per 13. Write A. F. Ackley, Woodstock, Ill. 4-3

FOR EXCHANGE—I want to change blood. I have cockerels of known breed, namely: Five Partridge Cochins and four S-c. B. Leghorns. I want Belgian Hares of prolific breed (yearlings) and Turkeys. A. L. Vanden Berghen, River Forrest, Ill. 4-3

90 VARIETIES. Choice Poultry Eggs, Pigeons and the true GERMAN HARES. OUR NATURAL COLORED DESCRIPTION 60-PAGE BOOK 10c. Prices free. J. A. BERGEY, Telford, Pa. 3-3

CORNISH INDIANS EXCLUSIVELY.

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WHITE PLYMOUTH ROCKS---Exclusively.

Eggs from pens that scored 94½ to 96½, by Judge H. A. Bridge, $1.50 per sitting; $2 per two sittings. Circular free. Member A. W. P. R. Club. **J. S. HOFFMAN, Sharon, Pa.**

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3½x5½ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x5⅝ in., at same price. ☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash. ☞No less than 100 of any one kind printed. No samples sent to any one whatever.

JEFFIE R. HUDSON, HARDIN SPRINGS, KY.

(Mr. Hudson is perfectly reliable.—EDITOR.)

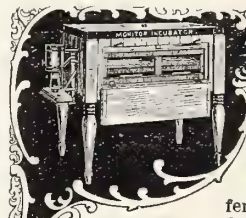
DON'T SET HENS The Same Old Way. THE NAT'L HEN INCUBATOR beats the old plan 3 to 1. **100-Egg Hatcher $2.** Cheap in price but a mighty money maker. Send for cat'g telling how to get one free. Agents wanted. **Natural Hen Incubator Co.** B72, Columbus Neb

EVERGREENS.

Largest stock in America, including Colorado Blue Spruce and Douglas Spruce of Colorado.

Also *Ornamental, Shade and Forest Trees, Tree Seeds, Etc.*

R. DOUGLAS' SONS Waukegan, Ill.



This is the way they tumble out when good fertile eggs are placed in a

MONITOR INCUBATOR

They are made to hatch chickens, and they do it with great regularity and economy and with the smallest amount of attention. Hundreds of users testify these facts. Large percentage of live chicks from fertile eggs is their strong feature. Buy the profit winning MONITOR and be prosperous. Large catalogue for 4 cts. stamps.

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BRAHMAS.

High Bred; High Scoring.

Winners Wherever shown.

A few extra fine ones left, at half price, to make room for mating. Orders now being booked for

Eggs at $2 per 13.

LEWIS G. PLEISS, New Albany, Ind.

Satisfaction or money refunded.

EGGS AND MEAT

There has never been anything offered to the poultry public which will produce so many eggs and so much growth as

DARLING'S PURE POULTRY FOODS.

We manufacture all our own goods and guarantee their purity and freedom from injurious properties.

Concentrated Meal, Beef Meal, Beef Scraps, Ground Raw Bone Meal, Granulated Bone, Oyster Shells, Broiler Teeth, Mica Crystal Grit.

Since we are manufacturers and not jobbers or dealers our prices will interest you.

Send for prices and circulars.

DARLING & COMPANY,

Department 26, Union Stock Yards

CHICAGO, ILL.

ADVERTISING NOTES.

J. C. Pratt, agent, is a breeder of B. B. Red games exclusively; office U. S. Sub-Treasury, Chicago. Mr. Pratt resides at La Grange, Ill., where his yards are located. We cordially commend Mr. Pratt to our readers.

O. L. King, Walnut Grove, Ill., has B. Plymouth Rocks of high grade.

Johnson & Stokes, 217 Market st., Philadelphia, Pa., sends out a fine Garden & Farm Manual—seeds and poultrymen's supplies.

Alexander Bicket, Tilden, Ill., won all premiums competed for except two at Belleville, Ill., December, 1898, J. W. Wale serving as judge. His Buff Cochins won on scores ranging from 89 to 95½.

A. H. Morgan, 5410 Chicago avenue, Austin, Ill., breeds high class S-c. Brown Leghorns exclusively. His pen will be headed with the 2nd prize cockerel Chicago, a grand noble bird mated to the 2nd pullet Chicago, 2nd pullet Cedar Rapids, 1st pullet West Liberty and the 2nd and 5th pullets Chicago. This makes a grand pen from which a few eggs will be sold at $2 per 13. 2nd pen is headed by bird scoring 94; cut one point for broken sickle. Practically a 95 point bird.

EXPRESS PAID on stock and eggs on farm-range W. Wyandottes, Bar. P. Rocks, Buff Leghorns, R-c. W. Leghorns. Eggs $1.50 per 15; $2.50 per 30; $5 per 100. Address all orders.
N. K. MENDELS, Ada, Mich.
A fine trio of S. S. Hamburgs for sale at $4.

23 Years a Breeder

....of Prize Winning....

B. P. ROCKS.

A few cockerels and pullets to sell. Eggs from nine grand matings at $2 to $4 per 13. Circular free. Mention this journal.
JOE FARMER, Flushing, Ohio.

HOUDANS.

My breeding pen this season is headed by the first prize cockerel at Johnstown, Rochester and Elmira, score 93. He is mated to hens and pullets equally as good. Eggs from this pen $1.50 per 13, or $2.50 per 26. Am also breeding Blk. Langshans, American Dominiques and White Wyandottes. Eggs from these pens same price as Houdans. A few cockerels of each variety to spare. Member Am. Houdan Club,
H. D. THOMPSON, Wheeler, N. Y.

Eggs!
Eggs!
Eggs!

From.....

Barred Plymouth Rocks,

.....Only.

I will sell a limited number of sittings to produce choicest show birds for next season.

My birds are mated by Mr. P. H. Scudder who has officiated as judge of this variety at New York for several years past

Only six of those grand cockerels left for sale, cheap if taken soon.
R. W. DURYEA,
Great River, L. I. N. Y.

WHY BUY EGGS?

When you can buy a good breeding trio Silver Wyandottes for $5 and raise your own eggs. A few trios left. Cocks, $1.50 to $3; hens, $1 to $2.50. 1 pen of last year's breeders, cock and 6 hens, $15. Prices on other stock on application. A few Buff Wyandottes still left at bargain prices. Rear your chicks on Spratt's Patent Chick Food and Prepared Meat. Write your wants. NO EGGS.
North Side Poultry Yards,
A. & E. TARBOX, BOX A 5, YORKVILLE, ILL.

EGGS FROM MY PRIZE WINNERS.

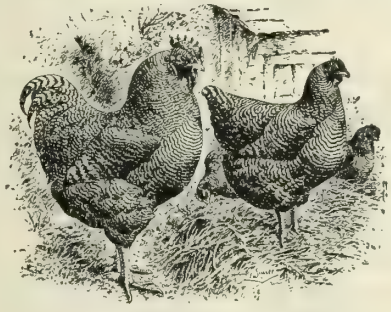
Blue Andalusians, Barred and Buff Ply. Rocks, S-c. Buff and Brown Leghorns.

All my prize winners at So. Bend and Chicago are in my yards, which are made up of birds scoring from 89 to 95. **EGGS $1 TO $2.** Stock $1 up. Send for circular—free.
B. F. PARSONS, Edwardsburg, Mich.

EGGS FROM DEWEY

will produce you winners, because they are bred from winners. At Detroit, '99, I won 1st and 3d hen, 1st pullet and 3d pen in a class of 165 Barred Rocks. Three years in succession I have won on pullet, and two years in succession on hen, at the Detroit show.

PRICES OF EGGS: **BARRED P. ROCKS—$3 PER 15; $5 PER 30.**
Satisfaction guaranteed. **BUFF P. ROCKS / BLACK MINORCAS — $2 per 15; $3.50 per 30.**
M. BLISS DEWEY, Concord, Mich.



B. P. ROCKS. ● ● ● ●

That are barred deep and evenly—"Ringlets;" good size and shape. Eggs from four carefully selected pens, $1 to $1.50 per 13.

W. P. ROCKS. ● ● ● ●

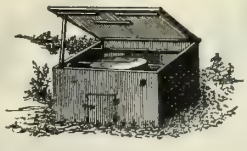
Pure white; good, low, evenly serrated combs, large size, Rock shape. Eggs, $1.25 per 13.

S-c. Blk. Minorcas.

Pure Northup strain. Carefully selected pen headed by cockerel direct from Northup's yards. Eggs, $1.50 per 13.

All stock farm raised, large, vigorous and healthy, and not hot-house specimens. No more stock for sale this season. Give me trial order.
J. B. MOSLEY. Austell, Ga.

$5 Prize Brooders--Clover Meal



The Prize Brooder is superior to any brooder that stands upon legs. First of which is that it is built down to the ground, thereby enabling one to keep up the desired heat with much less oil. Second, the heater being placed at the back of the brooder the lamp is accessable from the rear without being obliged to reach under as in the case of some of the $5 brooders. If you will compare our brooder with others you will find it much better than many costing double the money. You cannot buy a brooder for $5 that will equal it in any point. Try one and be convinced

We are also manufacturing a superior quality of Clover Meal for poultry. It will insure the egg yield; it will insure more and stronger fertilized eggs, and it will keep the hens in good health and vigor. Put up in 50 and 100 pound sacks. Price $2 per 100. Send for free circular and sample of Clover Meal.

JORDAN MILLING CO., Jordan, N. Y.

DAMON'S GRAND MATINGS.

EVERY MALE A WINNER.

Barred Plymouth Rocks.

Yard 1—	For cockerels	headed	by	PILGRIM,	score	91¼—	2d	cock	Illinois State Show	1898.
" 2—	"	"	"	ATLANTIC,	"	92½—	2d	cockerel	" " "	1898.
" 3—	"	"	"	PILGRIM, JR.,	"	93¼—	3d	"	Chicago	1899.
" 4—	" pullets	"	"	ADONIS,	"	91¾—	1st	cock	West Liberty	1899.
" 5—	" both	"	"	ALSORAN,	"	92¾—			Chicago	1899.

The above yards contain females scoring 90 to 93½ and all the birds on which I won individual, pen and sweepstakes prizes at Chicago, Danville and West Liberty 1898 and 1899.

S-c. Brown Leghorns.

Yard 6—	For cockerels	headed	by	HERO, JR.,	score	94½—	1st	cockerel	Chicago '99
" 7—	"	"	"	CHICAGO,	"	94 —	1st	cock	Chicago—West Liberty '99
" 8—	"	"	"	HERO,	"	95 —	1st	cockerel	Chicago '98
" 9—	" pullets	"	"	PEERLESS,	"	94 —	1st	cock	Chicago—Danville '98
" 10—	" both	"	"	CASSIUS,	"	93½—	2d	cock	Chicago '99

Females in above yards score 92 to 95 and includes such winners as the 1st hen Chicago and Danville '98—1st and 2d West Liberty '99 and 1st, 2d and 3d Chicago '99, besides many pullet and pen prizes.

EGGS—YARDS 1, 2, 3, 4, 6, 7, 8 and 9, $3 per 13; $5 per 26.
" 5 and 10 2 " 13; 3.50 26.

My birds are strong in all sections—have fine eyes, beaks, legs, surface and under-color and grand shape and size. For a foundation and new blood you cannot get better—East or West.
No more stock for sale.
C. A. DAMON, 2470 Monroe st., CHICAGO, ILL.

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500 Fine Breeders for Sale from our Yards.

Bronze Turkeys, Barred and White Plymouth Rocks, White and Silver Wyandottes, Brown and White Leghorns.

FROM 40 SELECTED BREEDING PENS.

Large, Vigorous, Finely Marked. Sure to Improve your Stock. 15 Years' Experience in Mating and Breeding. Eggs for Sale at all Times. Pairs, Trios and Pens Mated for best Results. Valuable ILLUSTRATED CIRCULAR Showing Matings, Prices, Plans for Poultry Houses and Yards Sent Free. Jersey Cattle, of the highest breeding for sale. "MISS COLUMBIA." Weight 36 lbs. at 6 mos.

Address F. M. MUNGER, De Kalb, Illinois.

213 EGG STRAIN

and prize winners of White Wyandottes, all breeding stock, score from 93 to 95.

15 eggs, . . . $2.00
45 " . . . 5.00
Incubator eggs . 8.00 per 100

F. P. PULSIFER, Natick, Mass.

Silver Laced Wyandotte

EGGS.

My yards contain the winners from Dubuque and Galena, Poultry Shows, Dec. '98. At Dubuque 1st cock, 1st hen, 1st and 3d cockerel, 2d and 3d pullet. At Galena 1st cock, 1st hen, 1st, 2d and 3d cockerel, 2d and 3d pullet, and 1st and 2d pen scores, 90 to 93¼. Eggs $2. per 13 straight.

F. J. HOELTING, Galena, Ill.

White Wyandottes and S-c. Buff Leghorns.

Winners at

Chicago, Coldwater, Sturgis.

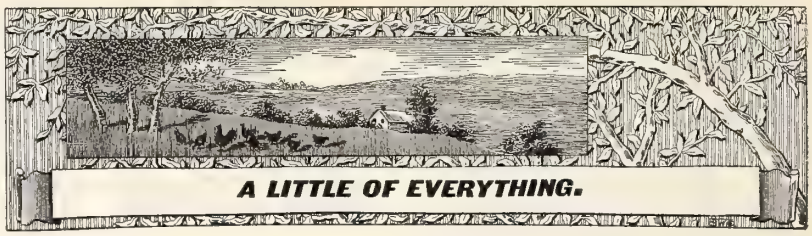
Eggs $2 per 15 in season. Stock for sale at all times. Satisfaction guaranteed. Circular free. Correspondence solicited.

CHAS. F. HOWE, Coldwater, Mich.

A grand lot of Buff Rock Cockerels, Fine style, size And color. Bargains.

Buff Plymouth Rocks, Cornish Indians, Buff Leghorns and B. B. R. G. Bantams.

S. A. NOFTZGER, North Manchester, Ind.



A LITTLE OF EVERYTHING.

S. A. Noftzger, North Manchester, Ind.—Fowls out of condition can be fed on green cut bone and clover. Twenty-five years of experience has taught me that corn is good, even for laying hens, in cold weather. Hens will not thrive and lay unless fed enough to keep them strong and vigorous. In fact, if we were to feed our breeding stock "a little of everything" the result, I think, would be gratifying. Keep your hens and your own brain at work—trying to change feed and devise ways of caring for your flock.

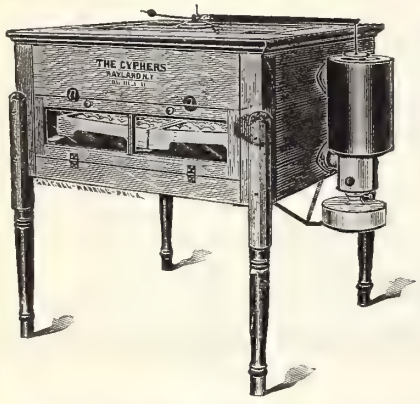
L. B. Hanna, Columbus City, Ia.—Sending birds on approval is favored by some persons and objected to by others. As for myself, I am perfectly willing to send birds on approval to parties whom I think or know are acquainted with the variety called for. Such people are pleased to get a better bird than was asked for, as they know what to expect for the money. On the other hand, those who expect a perfect bird for $2 would return a bird that was worth double the price that was asked. Such persons do not really know values or their own wishes.

C. F. Lang, La Crosse, Wis.—In feeding oyster shells or grit, don't throw the supply on the ground. Tack a cigar box on the inside of the coop and keep it filled. Keep hens active and warm.

P. Mitchell, New Carlisle, Pa.—Here are some facts, learned by fifteen years' experience in breeding fine poultry: Warm houses, dusting-places and scratching-pens are a necessity. Coal oil sprayed over roosts monthly will exterminate lice. Leaves make the best and most healthful nests. Hard coal ashes and cinders make good grit. Bran, middlings, cracked corn—equal parts—with a little salt, mixed in warm, greasy dishwater, is the right morning meal; with wheat for noon and whole corn for night. The best cure for roup is a hatchet—this disease is constitutional and can be transmitted. To sell eggs from fowls once afflicted with roup is wrong. The Buff Rock is the best general-purpose fowl. A. P. J. has no peer as an advertising medium. (Thanks.—Ed.)

Mrs. J. G. Lembke, Griswold, Ia.—The Light Brahma is my ideal of a fowl. It is the gentlest, handsomest of

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL



The Cyphers

Requires No Supplied Moisture.

Regulates Perfectly.

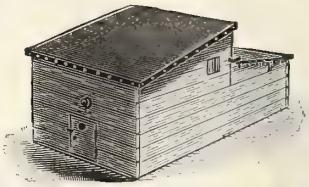
Orders Filled Promptly.

WE PAY Freight to all parts of the United States.

Leading breeders the world over will use no other. Our great catalogue gives you more valuable information than anything of its kind ever before issued.

Send 10 Cents.

The Cyphers Brooder Leads all Others.



The Cyphers Incubator Co., Box 5, Wayland, N. Y.

all. It produces more pounds of flesh and eggs than any other breed. I advise all beginners to be exclusive breeders—have only one kind. Keep the houses clean. Use air-slacked lime and furnish plenty of clean drinking water and grit.

F. M. Munger, De Kalb, Ill.—Scatter wheat, corn and oats in the straw at night, on floor of the scratching-pen, and the fowls will be up early and at work. They will then be ready for the warm feed, which should be given, in winter, about 9 a. m. Bran and chopped feed, with an occasional sprinkling of oil meal, onions and green bone. Don't omit clover, if you can get it. Give beets, cabbage or potatoes cut fine. Give the water warm in cold weather.

Alex. Bicket, Tilden, Ill.—There is only one practical rule in mating to procure the best specimens of each sex, and that is the double mating—a pen for cockerels and a pen for pullets. This rule applies with equal force to all varieties of domestic fowls. From experience I find that when a mating produces choice cockerels, the pullets are of inferior quality.

F. W. Landfear & Son, Bedford, O.—Keep the hens hustling. A little grain in the morning and at noon, but feed your warm mash at night. Make the fowls go to roost tired from hunting for feed, but with a full crop. This brings 40-cent eggs.

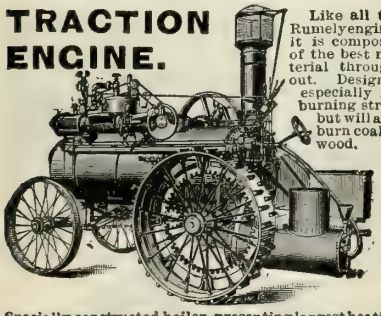
H. Adolph, Ironton, Mo.—I think it a very good plan to have a little corner fenced off, or a coop, in each pen or yard where you can put the breeding cock at feeding-time. He thus gets his share. He will soon get used to the place and go in there of his own accord to be fed.

Wm. H. Halteman, East Coventry, Pa.—If you want eggs, let the morning feed be a cooked one, seasoned with a

THIS IS THE NEW

RUMELY

STRAW BURNING TRACTION ENGINE.



Like all the Rumely engines it is composed of the best material throughout. Designed especially for burning straw but will also burn coal or wood.

Specially constructed boiler, presenting largest heating surface. It is a quick steamer. One of remarkably high power and efficiency, requiring the minimum amount of steam. Five-foot drive-wheels with 16-inch face. An efficient spark arrester prevents all danger from fire. The usual Rumely high finish. We make also other traction engines, portable and stationary engines; the famous "New Rumely Thresher," Horse Powers and Saw Mills. All are fully described in our Illustrated Catalogue—FREE.

M. RUMELY CO., La Porte, Indiana.

Buff & White Rock Eggs

From the best mated pens east or west,

$2.50 per 13; $4 per 26.

Write me.

W. O. SOUTHWICK, Friend, Neb.

Buff Plymouth Rocks, Only. . . .

Now "Old Glory" proudly waves o'er Porto Rico; The Philippines are ours, and Cuba free; Vast armies must be paid, you can meet the taxes laid, by breeding Burdick's Nuggets, "don't you see."

My strain is well known as producing the winners at all the leading shows, Chicago, '99, included. Matings for 1899 surpass anything before attempted. Eggs that hatch, for March, April and May, $3 for 15. After May, eggs again half price. Breeding and exhibition stock always reasonable. Fifty fine breeding cockerels reasonable. Write **H. S. BURDICK, Rome, N. Y.**

White Wyandottes--Pit Games.

We breed Duston and Knapp Wyandottes and Graves, Grist and Rossiter strains of steel tested games. A square deal and a fair hatch guaranteed. **EGGS $2 PER SITTING.** All eggs and stock shipped from Chicago. We guarantee a fair hatch and will prepay express charges on all egg orders received during March and April.

BROWNE & MANN, 428 N. 53d st., Austin, Ill.

BUFF COCHINS—**EXCLUSIVELY.** Dec., 1898, at Galena and Dubuque shows they won. Over 600 birds at Galena show. Had 10 highest scoring birds of any variety; also highest scoring pen, now up to weight, score 190¾. No birds in my breeding yards scoring less than 92. If you want eggs from full feathered, up-to-date stock write

A. M. BRICKLER, Galena, Ill.

DAVIDSON'S LIGHT BRAHMAS Are Winners At Mason City, January 24—27—1899.

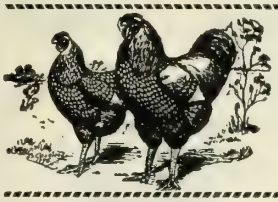
2d cockerel, tied 1st. Also two of my birds tied for 3d, the heavier winning. No pullets exhibited. Birds for sale with score cards by Shellabarger and Shaner. Eggs for sale, $2 per 13. Prices of stock way down. Mention A. P. J.

U. GRANT DAVIDSON, Manson, Iowa.

EGGS from B. P. ROCKS, B. LANGSHANS, and L. BRAHMAS.

Scoring up in the nineties, at $1.50 for 13, or $2.50 for 26. Mention this journal. Address.

E. B. MORGAN & SON, LODA, ILL.



Doolittle's Wyandottes

Golden, Buff and Partridge.

Winners at Chicago, Washington, D. C., Davenport, Iowa, The great Mid-continental, Kansas and Nebraska state shows. Stock and eggs for sale. Send stamp for catalogue to

W. A. DOOLITTLE, Box 399, Sabetha, Kans.

GOOD AS THE BEST.

FIVE DOLLARS IN GOLD

to any one who wins a prize at any show with stock raised from eggs bought of me. My **White and Barred Rocks** are as good as can be found and will produce winners. Eggs $2. per 13, $3.50 per 26. Write for further information. H. C. GROOMES, Box 948, New Haven, Conn.

I Won on Barred Plymouth Rocks,

I. K. FELCH, Judge,

At Central Wisconsin Poultry Ass'n show, held at Waupaca, Wis., Jan 24-27-1899, 68 birds competing, 1st and 2d on cockerel, 1st and 2d on hen, 1st and 2d on pullet, 1st on pen, score 185¾. I shall breed this season 4 Grand Pens and will use the single mating (the coming mating for B. P. R.), and will sell eggs for hatching from pens 1 and 2 at $3.00 per 15 and $5.00 per 30; from pens 3 and 4 at $2.00 per 15, $3.50 per 30. These are the only pens I shall have this season. Your orders solicited. Address

G. N. KERSTEN, Chilton, Wis.

Mention A. P. J.

If You Want Very High Grade

Photo of wing from my crack cockerel.

Barred Rocks

do not delay ordering sittings at earliest possible date, as the supply is quite limited. I make a specialty of quality and not numbers, and then every bird in my 10 breeding pens are bred right and are either tried breeders or very fine show specimens. I fully know that results will please as I now have young chicks three weeks old that are finer than anything raised in past years. Of course my prices are in harmony with fine quality of my strain. If you want cheap sittings and do not mean strictly business do not write. My prices are low for grand quality. Two pens

S-c. B. Minorcas,

the pick of 400 birds. I have yet for sale in stock, two B. Rock cockerels at **$50 each.** Prices, &c., by addressing me.

J. B. KIMENOUR, Belvidere, N. J.

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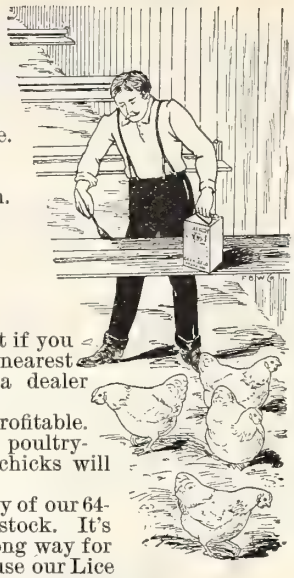
Lice and Mites



Mites and Lice on your poultry?
Paint roosts with Lee's Lice Killer.
All done.
Next morning look, and see all lice and mites lying dead on roost boards.
Many customers report finding them in piles a half inch deep where each fowl roosted the night before.
Seeing is believing.
Same with hogs or sheep.
Paint rubbing posts or sprinkle floor of sleeping pen.
All done.
No more lice, mites or fleas.
No handling, no labor.
Cheap.
Only 75 cents for a gallon can.
Want some?

Our catalogue gives a list of principal agents, but if you will write us we will send you the name of the nearest dealer to you who has our goods for sale; possibly a dealer in your next town, or perhaps in your own town.

Lee's Lice Killer makes poultry raising easy and profitable. Lice and mites are at the bottom of the most of the poultryman's troubles at all seasons of the year. Young chicks will have no lice if the old fowls are free from vermin.

Every user of Lee's Lice Killer should have acopy of our 64-page book on "Insects" and diseases of poultry and stock. It's free on request. There's a right way and a wrong way for everything. We want to tell you the right way to use our Lice Killer so as to secure the best results at the least expense.

Don't judge the genuine by the imitations. If there were no genuine, there would be no imitations. Adopt new methods. Hours spent in dusting and greasing the poultry can be more profitably utilized elsewhere.

Price of Lee's Lice Killer.		Lee's Insect Powder.		Lee's Tonic Powder.	
1 qt. can	$ .30	1 lb. box	$ .25	1 lb. box	$ .25
2 " "	.50	postpaid	.35	postpaid	.35
4 " "	.75	6 lb. box	1.00	5 boxes for	1.00
5 gal.	3.00	25 " "	3.00	25 lb. box	3.00

If no agent near you, write for agents prices. Address nearest office:

GEO. H. LEE CO., Omaha, Neb.

or 68 Murray street, New York.

Eggs Sure to Hatch

—the kind that will produce **strong, vigorous chicks,** depend upon the vitality of the hen that lays them. She must not be fed on **heating, debilitating food.** Really the best thing for the breeding hen is our

PIONEER CLOVER MEAL.

It makes young chicks grow rapidly. Wonderful for broilers. Makes sweet, tender, high-flavored flesh. It is made from clean clover hay, cured by our own special process so as to preserve all the bright green color and the delicious aroma and essential oils. It is ground into the finest meal by our powerful and specially designed machinery. **No additions, no adulterations,** but **clean, pure, sweet and wholesome poultry food.** Then, too, it is quite cheap—only costs: 50 lbs. $1; 100 lbs. $2; 5 lbs. 25c. Use it this winter and get eggs when eggs are worth money. Sample and editorial indorsements **FREE.**

The Bennett & Millett Co., Box A, Gouverneur, N. Y.

For Sale

A chance for some enterprising breeder to make big money.

Entire Stock of My **Black Langshan Bantams.**

Consisting of 8 cocks, 11 hens, 7 young birds (if not sold), to go to the highest offer for them; also cuts and good will goes with them and agreement not to breed them for five years. All A.1 breeding and show birds.

WM. M. HUGHES, Box O. K., So. Portsmouth, R. I.

Poultry Yards of U. G. McAdam,

Wenona, Illinois,

Breeder and shipper of the following:

Light Brahmas, Buff Cochins, Barred Plymouth Rocks, S. L. Wyandottes, White and Golden Wyandottes, Black Minorcas, Silver Spangled Hamburgs, R-c. W., R-c. B. and S-c. B. Leghorns, Buff Turkeys. Eggs in season.

Houdans, Wh. Wyandottes,

PEKIN DUCKS.

Bred for utility and beauty. Exhibition and breeding stock for sale. **Price low for Quality.**

Eggs $1 per 13; Duck eggs $1 per 12, $6 per 100. No discount.

MRS. G. A. NORRIS, Lebanon, Maine.

little pepper and salt; wheat thrown in the litter at noon; cracked corn at night; with something green to pick at, and green cut bone in moderate quantity twice a week. With plenty of fresh water and sharp grit, clean, warm quarters in winter, free from lice, the eggs will be found in plenty.

J. T. French, Toledo, O.—In feeding for eggs I get my best results by feeding a warm mash in the morning made of equal parts of chopped feed and shorts or bran. At noon and night wheat, oats or corn, but not too much corn. Make the fowls scratch. Meat or cut bone is fed two or three times a week. Feed a cabbage, hung up.

C. A. Damon, 2470 Monroe street, Chicago.—I hatch in incubators and remove chicks the second day to brooders of my own construction, having top and bottom heat. I feed, first day, on rolled cracker. For three to four weeks thereafter give nothing but cut oats and bone meal to eat and boiled milk to drink. Never put over one hundred and prefer only fifty under each hover. Am never troubled with crowding, weak legs or bowel complaint.

W. H. Scovil, East Lebanon, Maine.—Success with poultry means a thorough practical knowledge of and strictly close attention to the business. We have "good luck" when we know what to do and attend to it at the proper time, and "bad luck" when we don't know, or care, or forget. Another vital point in success is square dealing. Always figure to give a little more rather than less than the money's worth. A customer treated in this way comes back and brings others. It's a paying advertisement.

A NEW CAPON TOOL

THE TRIUMPH.

The "Slip Problem" Solved.

Set of Six Pieces, in neat box, $3.00 Postpaid. Send stamp for Illustrated Catalogue.

Allerton Caponizer Mfg. Co., Allerton, Ia.

CABLED POULTRY AND GARDEN FENCE

Cabled Field and Hog Fencing with and without lower cable barbed. Steel Web Picket Fence for Lawns and cemeteries, Steel Gates, posts, etc.

DE KALB FENCE CO., 97 High St., DE KALB, ILL.

BUY NORTHERN GROWN SEEDS

FARM SEEDS

Salzer's Seeds are Warranted to Produce.

Mahlon Luther, E. Troy, Pa., astonished the world by growing 250 bushels Big Four Oats; J. Breider, Mishicott, Wis., 173 bush. barley, and H. Lovejoy, Red Wing, Minn., by growing 320 bush. Salzer's corn per acre. If you doubt, write them. We wish to gain 200,000 new customers, hence will send on trial

10 DOLLARS WORTH FOR 10c.

10 pkgs of rare farm seeds, Salt Bush, Rape for Sheep, the $3000 Corn, "Big Four Oats," Beardless Barley, Bromus Inermis—yielding 7 tons hay per acre on dry soils, etc., "40c. Wheat," including our mammoth Seed Catalogue, telling all about our Farm seeds, etc., all mailed you upon receipt of but 10c. postage, positively worth $10, to get a start, **100,000 bbls. Seed Potatoes** at **$1.20** and up a bbl.

35 pkgs earliest vegetable seeds, $1.00

Please send this adv. along.

Catalog alone, 5c. No. 38

JOHN A. SALZER SEED CO. LACROSSE WIS.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

ADVERTISING NOTES.

G. E. Conkey & Co., poultry supply house, Cleveland, O., offers Conkey's Roup Cure, which is highly commended by well known poultrymen.

A lady at Spring Hill, Mo., writes to express her satisfaction with a pair of birds sold her by G. C. Flegel, Westville, Ind.

B. H. and M. H. Smith, Coldwater, Mich., have issued a neat circular, announcing their Buff Wyandottes. They claim to have "the best cockerel in America," but we are not spoiling for a fight and so dodge the clubs. It is a beauty, though, and no mistake.

N. Schweinfurth, Jackson, Mich., is a breeder of Light Brahmas, B. P. Rocks, W-c. B. Polish, S-c. B. and W. Leghorns. His scores at the leading western shows determine the high value of his several flocks. His yards are headed by winners. We suggest the advisability of sending for his new circular.

C. C. Shoemaker, Freeport, Ill., has a valuable catalogue and book of instructions. Price, 15c.

Geo. S. Singer, Cardington, O., sends us a catalogue of the Olentangy Incubator.

Kitselman Bros., Ridgeville, Ind., send a catalogue of their woven wire fence machine.

The Monitor Inc. Co., Moodus, Conn., will send on application a catalogue and book of instructions.

Chas. McClave, New London, O., has a beautifully illustrated catalogue.

OUR EGGS ARE NOT THE DOLLAR KIND

Indian Games, per sett'g. **$8.00**	**CUT CLOVER** 100 lbs, $1.25; 200 lbs, $2.00
Buff Ply. Rocks per set'g. **$2.00**	
Pekin Ducks, per setting. **$1.50**	
Mica Crystal Grit, 100 lbs. $1; ton $7	Pure Beef & B, 100 lbs. $2.00
Cshd OysterSh'ls, 100 lbs. $1; ton $6.50	Cracker Cr'bs 100 lbs. $1.50

CLEVELAND POULTRY CO., Plattsburg, N. Y.

PARTRIDGE COCHINS—EXCLUSIVELY—At Detroit Show, Jan. 3 to 8, '99, Sharp Butterfield judge, I won 1, 2, 3, 4 cocks, 93¾, 91½, 90½, 90¼; 1, 2, 4 hens, 93½, 92¾, 92¼; 1, 2, 3. 4 ckls., 94, 93, 93, 91½; 1, 2, 3, 4 pullets, 95, 94,¼ 94, 93¾; 1, 2 pens, 189 1-16, 187 1-16. Choice stock for sale.

JOHN C. STELLWAGEN, Wayne, Mich.

WHITE WYANDOTTES,

Blue Andalusians, Houdans, and G. Sebright Bantams.

Do you want the best? We have them. Eggs $1.50 per 15: $2.50 per 30. Satisfaction guaranteed. For White Wyandottes and Houdans address R. Sutton; for Blue Andalusians and G. Sebright Bantams address H. A. Ripley, both of Richland Center, Wis.

MANGE'S BARRED ROCKS.

Breeding pen headed by "Dewey," a fine Standard colored cockerel, entirely free from brass in any part of plumage; good, medium sized comb, perfect yellow beak and legs; weight 10½ lbs. To him are mated 10 pullets, the choicest of 150 raised last season, all Standard weight or over; even color. Eggs, $2 per 13; $3.50 per 26. A few good pullets left for sale.

D. G. MANGE, Lowell, Mich.

Buff & Barred Plymouth Rocks.

—From the finest strains and stock in America. Bred in line for eggs, size and standard beauty. My birds have won scores of red and blue ribbons at many of the largest shows. Birds for sale, and eggs only $1.25 for 15, and $2.25 for 30.

P. MITCHELL, New Carlisle, Ohio.

EGGS $2 per SITTING,

—FROM—

Hill's Mammoth 15-lb. Light Brahmas.

Fed on Darling & Co.'s Poultry Foods.
Try a sitting and be convinced.

A. H. HILL, Wenona, Ill.

FINE POULTRY--PEKIN DUCKS.

20 VARIETIES—FIRST-CLASS THOROUGHBRED STOCK.

Eggs for hatching $1 per sitting.
Satisfaction guaranteed,

WILLARD MERRIAM, Kansas City, Kan.

J. B. FOOT.

PRICES TO MEET THE TIMES.

I never had better birds in my yards than at present time. They **MUST** breed **WINNERS.** My specialty—Light Brahmas, Partridge Cochins, Barred P. Rocks and Black Langshans. Large and beautifully marked. A few grand Light Brahma yearling cocks and P. Cochin cockerels at $2 and $3 each. Winners wherever shown. Send for illustrated circular. Mention A. P. J.

J. B. FOOT, Norwood Park, Ill.

PHELPS'

OHIO VICE-PRES. AMER. BUFF WYANDOTTE CLUB.
MEMBER OF " " PLY. ROCK "
" " " " LEGHORN "

BUFF PLYMOUTH ROCKS,

Breeders score 90 to 94. Golden buff to the skin.

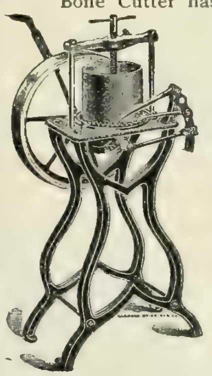
BUFF WYANDOTTES and BUFF LEGHORNS.

Eggs $2 per 15, eight chicks guaranteed. Circular tells all about our stock and show record

E. A. PHELPS, Austinburg, Ohio.

Green Bone Cutters.

THE Webster & Hannum Green Bone Cutter, formerly made at Cazenovia, N. Y., is now being manufactured and sold by the undersigned. This Bone Cutter has always been a favorite with poultrymen on account of its many advantages over all other machines. With our unsurpassed facilities for manufacturing, it will be better than ever.

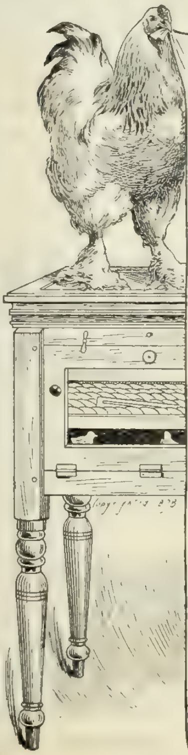


The new cutter-head is practically *indestructible, absolutely self-feeding and self-regulating* as to the supply of bone fed to the knives. It will cut meat and gristle equally as well as bone. Made in sizes suitable for hand or power use. Read what F. E. Dawley, Director, Bureau of Farmers' Institutes, New York State, says of it :

> **"I would urge every one who keeps fowls to feed green bone if they are after profit, and from experience would say, get a Webster & Hannum Cutter to do the work with. I am not at all interested in the sale of the W. & H. Cutter, and have paid full price for the one I use, so have no axe to grind."** **F. E. DAWLEY.**

Mr. Dawley raises poultry "by the acre." The only Bone Cutter receiving award at World's Fair, Chicago. *Send for our free booklet, whether you keep poultry for pleasure or profit.*

E. C. Stearns & Co., Box 55, Syracuse, N. Y.



The Roll of Honor

Note the Record:

Used exclusively by the U. S. Government.
Used exclusively by the largest poultry raisers in the world.
Used exclusively by the largest duck raisers in the world.
Used by over 25,000 customers with grand results.

300 First Premiums.

Never Having Suffered Defeat.

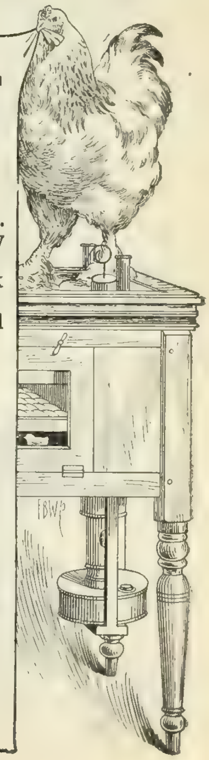
Once a User of Prairie State Machines.

ALWAYS A USER.

No difference whether you live in a city, town or country and raise chickens by the dozen or by the thousand, you want to use Prairie State Incubators and Brooders. Absolutely self-regulating and guaranteed to hatch in any climate. Do not fail to send for catalogue giving full particulars. All machines warranted.

PRAIRIE STATE INCUBATOR CO.,

Homer City, Pa.



ONLY 10 CENTS for our formula to make **SNAP SHOT LICE PAINT.** The best lice killer and germicide known. It has killed millions of lice and saved many fowls from disease. Printed with full directions.
LICE PAINT CO., Havana, Ill.

WHITE PLYMOUTH ROCKS.

Eggs for sale from two pens. Pen No. 1—headed by cockerel direct from Hawkins, mated with hens and pullets of same strain scoring as high as 93½; score cards by Shellabarger; one sitting $2; two sittings $3.50. Pen No. 2—headed by Empire cock, mated with hens and pullets of same strain, all fine birds; one sitting $1.50; two sittings $2.50. Address Poul P. Harshman, Sunny Side Poultry Yards, Sullivan, Ill.

DON'T SET A HEN

—ON—

Buff Rock Eggs

until you have read my circular—free for the asking.
I. W. HOUSTON, Marshall, Mich.

Blue Barred Plymouth Rocks,

Bradley Bros. Strain.

Large and showy, well barred, fine in shape and color, and no brassiness; legs and beaks a nice orange color. They are as fine a flock as there is the West. I have bred them 2 years and have been very particular to breed them to the Standard. Eggs, $2.50 per 13. No circulars. Write for price.
LEVI McNETT, Woodstock, Ill.

S. D. MANDEVILLE, Sidney, Ill.,

BREEDER OF

Wh. Holland Turkeys & Black Cayuga Ducks.

My strain of White Holland Turkeys and Cayuga Ducks is second to none in the poultry fraternity. Have never failed to take the blue ribbon wherever exhibited. 18 years a breeder of Cayuga Ducks and 9 years of H. Turkeys. Eggs and stock for sale. Stock priced on application Price of eggs for hatching. Turkey eggs $2 per sitting of 9; Duck eggs $1.25 per sitting of 11. Write me mentioning American Poultry Journal

POULTRY SUPPLIES,

	50 lbs.	100 lb.
Beef Meal	$1.00	$1.80
Concentrated Meal	1.00	1.80
Ground Beef Scraps,	1.00	1.80
Granulated Bone	1.00	1.80
Fine Ground Raw Bone Meal	1 00	1.80
Mica Crystal Grit		.75
Crushed Oyster Shells		.65

ALL WOOD SHIPPING COOPS.

No. 1—12x18x18, wt. 5-lb.	per doz.	$1.75
" 2—12x18x24, " 6 "	" "	1.00
" 3—12x24x24, " 7 "	" "	2.50
" 4—24x24x24, " 12 "	" "	3.50
EGG BASKETS—1, 2 and 3 setting	"	.40

EGG BOXES.

All wood with handle, 15-egg	"	1.00
" " " 30 "	"	1.25
" " " 108 "	"	2.00

Spongia Roup Tablets—1 box 35c; 3 for 1.00
Galvanized Drinking Fountains—2 qt. $2.75; 1 gal, $3.50; 2 gal, $5, per doz.
CYPHERS INCUBATORS.
C. A. DAMON, 2470 Monroe st., ***Chicago.***

SILVER CUP WINNERS.

The handsome photo engraving on this page of a silver cup, is the one that was won by Grover & Grover of Concord, Mich., for the ten highest scoring White Plymouth Rocks at the late Chicago show and the same was offered by the Reliable Poultry Journal, valued at twenty-five dollars. This firm are to be congratulated upon winning this magnificent special, which was the highest honor a breeder could win at this great show and furthermore there were one hundred and four birds competing in this class. They surely can feel proud of this victory as it is a very easy matter for a breeder to pick out or buy a trio or pen, and win on same, but to show ten first-class birds is altogether a different thing. Furthermore, not one of this ten were shown at the late Detroit show, where a class of nearly seventy birds were shown, they winning at Detroit, first cock, third and fourth hen and second breeding pen. At Chicago they won first cock, first, second, third hen, fourth pen; two firsts out of five. This firm has been breeding and showing White Rocks the past seven years and by their actual experience they have learned the success of raising prize winners. Not only do they breed the best of White Rocks, but have the finest flock of Black Javas found in the West, winning the cream of honors at both Detroit and Chicago this year, and also have some fine Buff Plymouth Rocks. In a letter to us they say: "We are prepared to fill orders from our best pens." This will be good news to all interested and we can recommend Grover & Grover to our readers as reliable breeders that you can put confidence in what they say.—Mich. Poultry Breeder.

EMPIRE POULTRY YARDS.

Lt. Brahmas, White Rocks, W. Minorcas } **A Great Trio.**

2d Brahma pullet at Troy, N. Y.; 2d breeding pen Rocks, Troy, N. Y.; 2d White Minorca ckl. at Boston, '99. All pens contain high scoring birds. Brahma eggs, $3 per 13; Rock and Minorca $2 per 13. ***Mechanicsville, N. Y.***

Buff P. Rocks.

That have been shown in hot company for the last five years and have every time been WINNERS. These are the original Coin Gold Strain.

EGGS $2, $2.50 and $3 per sitting.
Address,
ISRAEL ROOT, Bloomington, Ill.

Stay White Rox.
Eggs, 13 for 1.25.
Mammoth Pekin Dux.
Eggs, 11 for $1.25.
Poor hatches replaced.
GEO. OWEN,
Box 32, Wray, Colo.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WHITE PLYMOUTH ROCKS THAT WIN.

A RECORD NEVER EQUALLED BY ANY BREEDER OF THIS VARIETY. WIN MORE PRIZES.

CHICAGO 1899
AND
INDIANA 1899.

I won in the largest show of the year, 1st and 5th pullet, 4th and 5th hen (same scores as 2d and 3d), 5th cock, 2d pen (tie with 1st). All this and my best males at home with severe colds.

At Indiana State Show I made a **CLEAN SWEEP,** winning 1st, 2d, 3d 4th ckl., 95, 94½, 94½, 93½; 1st, 2d, 3d, 4th hen, 95½, 95½, 95, 94½, 1st pullet, 94½ (cut 1 on weight); 3d cock; 1st and 2d pens, 190¼, 188; also two special prizes. Last year at this show I won 2d cock 94½; 1st, 4th hen 95½, 95; 1st cockerel 95½; 3d pullet 95½; 1st pen 190¾.

IT IS THE UNIFORM WINNING ON BOTH MALES AND FEMALES THAT SHOWS THE QUALITY OF MY STOCK

EGGS—I shall retain "WHITE CHAMPION," 1st prize cock, Madison Square, N. Y., '97. Also "GUARD'S MODEL," 1st prize ckl. Indiana State Show, '99. My females average higher than any breeder's of this variety. Eggs from this prize winning stock ONLY $3 per 15. One chick pays you. Send for circular.

R. M. GARD, Box A, Frankfort, Ind.

AMONG OUR ADVERTISERS.

Lewis C. Beatty, Washington, N. J., will give one sitting of Buff Orpington eggs valued at $3.00, or a setting of eggs from Buff Indian Game, or any other one variety of fowls raised by him to the first person sending American Poultry Journal ten new subscriptions; and to the second best, $1 cash or one sitting of $1.00 eggs from cut price list. See his cut-prices ad on inside front cover page of this issue.

M. M. Willett, Plymouth, Mich., won at Northville show, on B. P. Rocks, 1st cockerel, 91¼; 1st pullet 93½, 2d 91½, 3d 91. Also special of $5 for five years at Plymouth fair on pen 12 fowls and variety. L. E. Brunson, Plymouth, Mich., took on W. P. Rocks at Northville show, 2d pullet 94; on B. P. Rocks 3d cockerel.

Wm. M. Hughes, South Portsmouth, R. I., the famous "O. K. Billy," is forced to sell his Langshans, because of other business. Here is a chance for some one. Mr. Hughes is known the country over for his remarkably fine stock.

B. F. Parsons, Edwardsburg, Mich., Buff Leghorns, Buff and Barred Rocks, and Andalusians, reports a good trade in stock. He is ready to supply eggs for breeding. His birds are high-scorers.

ROBERT'S LIGHT BRAHMAS and Rose-comb Wh. Leghorns are carefully mated for best results. Moderate prices, ready sales and satisfied customers my motto. Eggs, $1 50 per 15, straight.
CLARENCE R. ROBERTS, Plymouth, Ind.

A BARGAIN—245-acre farm. Cuts 60 tons hay; fine buildings; nice pastures; 2,000 sugar trees; all sugar tools; R. R. 5 miles; healthy location; $1,400.
GUNN & CO., Marlboro Depot, N. H.

PAGE'S ***S-C. BLACK MINORCAS.*** My stock is bred from the best strains that can be produced. Perfect in size, shape and style. They are thoroughbred and up-to-date. Eggs that will hatch, from my best pens $1.50 per 13. Satisfactory hatch or sitting duplicated.
H. D. PAGE, Ira, Cayuga Co., N. Y.

Buff Plymouth Rocks.
Pure Nugget Strain Only.
Indiana State Fair Winners, 1898. Won 1st cock, 2d cock, 2d breeding pen on four entries. Eggs $2 per 13; $3.50 per 26. Stock for sale. Member American Buff P. Rock Club.
MRS. E. I. REYNOLDS, Haskells, Ind.

Barred Plymouth Rocks.
Scoring 90 to 93½.
by Bicknell and Russell.
Empire strain White Rocks to 94. New blood from best eastern breeders every year. Eggs $2 per 15; $5 per 45. Correspondence solicited.
M. M. WILLETT, L. E. BRUNSON.
Plymouth, Mich.

WHITE ROCKS.
Are all Sold for this Season,
My pens are now mated and I am ready to sell you eggs from pure White P. Rocks. Eggs $1.50 per sitting or two sittings for $2.50.
W. M. JAMES,
Box 123. Alvin, Ill.

Burhans Buff Rock Eggs
are all right and guaranteed to hatch well.
Five Dollars in Gold will be given to buyers of eggs.
Send for particulars.
BURHAN'S BUFF ROCK FARM,
Seward, Neb.

Boston Show, '99.
White Wyandotte class LARGEST and BEST ever shown in the world (233 birds).

Duston Again Wins the Lion's Share
26 Regular and Special Prizes.
including 1st and 2d cock; 1st cockerel; 2d pullet; 3d hen, &c. Special for best cock and 4 hens. best 5 cockerels, best cockerel and 4 pullets. SILVER CUP for Largest and Best Display, and others.

EGGS *—$3 per sitting: 4 sittings $10, or $15 per 100.*

Those wanting only the best should write me.
ARTHUR G. DUSTON, Box 1020, Marlboro, Mass.

Chicago First Prize Winners, 1899.

1st and 2d on Pekin Ducks.
Eggs, $3 per 12.
1st on Brown Chinese Geese.
Eggs, 3 for $5.
1, 2, 3, 5 on Black Langshans, '98.
Eggs, $3.50 per 10.

I have on this summer resort the entire stock of Black Langshans F. L. Kimmey formerly owned, who won everything on them in 1898, with 100 birds in competition. I have 200 acres of range, running river water, timber, etc., and large and vigorous and great layers; business and show birds. I sell eggs from winners only. Come and see me and spend a day fishing, etc., and select your eggs. Stock $5 to $50 each. I challenge all on the above stock in the West.

JNO. M. SONTAG,
Fox River Resort Poultry and Fruit Range,
JNO. M. SONTAG, Mgr. Box 476, ST. CHARLES, ILL.

RECORD BREAKER.
PRACTICAL—***Natural-Hen Brooder***—WORLD CHALLENGER.

Lamp and Boiler. Cost $1 to make one. Anybody can make it in one hour. Can be taken apart in one minute. No fancy lumber—any kind of lumber is practical. Raise healthy, strong chicks for show and market.
No more tender hot-house chicks—just like the hen.
No Crowding—positively.
No Overheating. "
No Chilling—any tem., 50 to 100 as they want it.
No Bad Air.
No Lamp Smoke.
No Getting Lost.
No Corners to Crowd.
No Dead Chicks.
No Watching Chicks.
No Training from Start.
No Drying up of Legs and Lungs.
No Drying up of Blood.
No Dry Air.
No Draught.
Rat Proof—*No Loss of Sleep.*
Fire Proof. Ventilation when they want it.

Patent Applied for, J. M. S., 1899.

25 years practical experience on a large scale; from 50 to 26,000 every year. I have been experimenting for eight years on brooders, incubators, houses, diseases, etc., costing me $5,000, and have no more trouble. Can raise 25,000 birds just as well as 25. Can prove this—when with Chatham Fields and other ranches. I offer this brooder plan for $2 to all. Can be used on large poultry or duck ranches as well as very small plants. Run with lamp, hot water pipe, gas, etc.
J. M. SONTAG, Box 476, St. Charles, Ill.

Will Sell the Rights of this Brooder.

BLK. LANGSHANS, LT. BRAHMAS.
Prizes won this season: B. L. Peoria, 5 entries, 1st cockerel, 1st and 3d hen; Lincoln, 1st cockerel, 1st and 2d cock, 1st pen, 2d pullet, 3d hen; Springfield, 5 entries, 1st cock, 1st, 3d and 4th hen, 1st pen. We now have the hens that won 2d and 4th at Bloomington, 1st and 2nd at Lincoln. Light Brahmas, Lincoln, 1st hen, 1st pullet, 1st pen, 2d cock, 4th cockerel. Eggs and stock for sale.
KIRKPATRICK & GUNDLACK, P. O. Box 326, Lincoln, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

BRABAZON'S POULTRY CATALOGUE FREE! It's a beauty; over 50 colored plates. Illustrates and describes fine Turkeys, Geese, Ducks and chickens; gives prices of fowls & eggs. Finest Buyer's Guide published. Inclose 10c. for postage, etc.
J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

BUFF COCHINS Exclusively.

Distinct strain. Sold on approval. Sure to please. Prices right. Eggs $2.50 for 13.
Wm. HAYDEN, Waukesha, Wis.

ROSE COMB BROWN LEGHORNS

See my record for past three years at Chicago. Chicago 1899, 4 firsts, 1 second, 2 thirds, 1 fourth, 1 fifth. Chicago 1898, 4 firsts, 2 seconds, 1 third, 2 fifths. Chicago 1897, 1 first, 1 second, 1 third, 1 fifth. Some choice cockerels for sale from $2 to $5. Eggs $1.50 for 13; $2.50 for 26.
C. J. LANCASTER, Maywood Cook Co., Ill.

Sunny Slope Poultry Yards.

Has mated two grand yards Barred Rocks. Pen No. 1—A straight Conger, headed by Conger's Model, score 93½; eggs limited at $3 per 15. Pen 2—Bradley Bros., headed by King Bradley Second, score 92; $3 per 15. Fertility guaranteed.
ALLEN HUTCHINSON, Prop., Compton, Ill.

ROSE-COMB BROWN LEGHORNS,

Eggs for hatching from 1st pen only, headed by male bird scoring 94½ points.
1 sitting $1.50
2 " 3.00
WRITE
C. E. DURAND, Lake Forest, Ill.

Poultry That Will Printing Give Returns

Samples and Prices Free.
B. F. HUNTINGTON, Platteville, Wis.

BUFF ORPINGTONS, BUFF P. ROCKS, BARRED P. ROCKS, S. C. W. LEGHORNS. Very high Score. EGGS In Season.
Send for Catalog. Stock for sale.
Cochranton Poultry Yards, Cochranton, Pa.

2000 PREMIUMS

were awarded my fowls at 12 State Shows in 1898. LARGEST RANCH in the west. We breed sixty varieties of choice land and water fowls. They are FARM GROWN which makes them strong and thrifty. Send five one-cent stamps for new large illustrated catalogue.
FOWLS & EGGS FOR SALE
CHAS. GAMMERDINGER, Box 48, COLUMBUS, OHIO.

Dewey Has Won Prizes.

My **SUPERB Single-comb BROWN LEGHORNS** will **WIN** too. No stock scoring less than 92. My breeders are beautiful. Stock at reasonable rates for elegant birds. Sitting of 15 eggs, in fancy box, from these breeders for 2$, express paid. **C. M. STEINMETZ,**
Breeder and Proprietor,
Rosehill Poultry & Fruit Farm, Rosehill, N. C.

2000 BIRDS FOR SALE

of 50 leading varieties of Standard Bred Poultry. Largest breeder of exhibition stock in the West. Write for prices on stock and eggs before buying. My Poultry Annual and Receipt Book for 10 cents in stamps or silver.
C. N. BOWERS.
Box 87, Dakota, Ill.

Eggs Reasonable from Thoroughbreds

90c for 15, $1.75 for 30, $2.50 for 45, $4.00 for 75, $5.00 for 100. Fertility guaranteed. Order from this; Remitting by P. O. Order, or write for Catalogue Free. Stock at $1.50 to $5. each, from White Buff and Barred Plymouth Rocks, White, Golden and Black Wyandotts, S-c. Buff, Brown and White Leghorns, R-c. White Legs S. S. Hamburgs, Red Caps, White and Black Minorcas, Light and Dark Brahmas, Red Pyle Games, Houdans and Mammoth P. Ducks; also $1.50 for every 15 eggs from Sherwood's White Wonders. White and Cornish Indian Games, Black Javas and American Dominiques.
The Reliable Brookside Farm, Nelson, Pa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

AMERICAN LEGHORN CLUB'S CUP.

The accompanying illustration represents one of the American Leghorn Club cups, of which 5 have been won and awarded the past winter to the following members of the club:
E. S. Seunder, Chicago.
W. E. Bright, Waltham, Mass.
Ezra Cornell, Ithaca, N. Y. (2).
Geo. H. Burgott, Lawton's Station, N. Y.
Total value of cups, $150.

BROWN LEGHORNS,

Single-comb. My strain has always been **WINNERS** wherever exhibited. I think my matings this season are exceptionally fine.
EGGS ONLY $2 PER 13.
Geo. W. Osterhout, DAVID CITY, NEBRASKA.

IMPORTED HOUDANS.

EGGS from Peoria and St. Louis winners at **$1.50 per 13.**
A chance to improve your stock. Address
L. H. WAISNER,
500 12th ave. Milwaukee, Wis.

Light Brahmas

Exclusively.

On account of moving this spring will only breed one pen, scoring 91 to 94½.
Eggs $2 for 13 straight.
REV. W. H. HORMEL,
Montrose, Mo.

Hanchett's Buff Cochins

Possess that coveted Cochin shape, solid buff color and massive leg and toe feathering. Can spare a few eggs at $2 per 13 and guarantee a fair hatch.

Hanchett's Fowl Catcher

Is a new and clever device for catching fowls at a distance of 4 to 8 feet *without the usual frightening and bruising of birds.* Sent postpaid for 25c, or free with each egg order.
H. N. HANCHETT, Jackson, Mich.

RALPH HOGE,
Hubbardston, - - - Mich.,
——BREEDS FINE——
HOUDAN FOWLS

Fine stock always for sale. Eggs $1.50 per 15; $2.75 per 30. Michigan Vice-President American Houdan Club.

Good Hatch Guaranteed.

Or will send EGGS FREE to make up.
Best strains Light Brahmas, B. P. Rocks, S-c. Brown Leghorns. Eggs $1 50 per 15. Pekin Duck eggs $1 per 11. M. B. Turkey eggs $3 per 10. Belgian Hares for sale. Catalogue free.
GEO. O. ANDERSON, Homer, Ind.

Light Brahmas—EXCLUSIVELY Mammoth Strain.

10 pens headed by **HIGHEST SCORING BRAHMA** at Shenandoah show, and his cockerels by Brown **SCORING 92 to 95.**
Circulars Free. Eggs, $1 to $3 per 13.
J. G. LEMBKE, Box 25, Griswold, Iowa.

Cornish Indians.

Large Size, Grand Style, Standard color-markings Characterize my birds.

My superb stock, now reinforced by that of L. B. Richardson of Chicago, including his imported birds and prize winners, cannot fail to give very best results to my patrons.
WILL. S. TEMPLETON, Dakota, Ill.
Exhibition Birds a Specialty.
Absolute Satisfaction Guaranteed. 4-2

Highland Poultry and Fruit Farm.

EGGS $2 per 13; $3 per 26, from the best stock in the West. Light Brahmas, Black Langshans, B. P. Rocks, White-crested Black Polish, S-c. Buff Leghorns. Fine illustrated circular for the asking. Stock for sale.
N. SCHWEINFURTH, Jackson, Mich.

S-c. BR. LEGHORNS, S-c. BL. MINORCAS.

I won 7 firsts, 2 seconds, 2 thirds at Cleveland and Washington C. H., O. Eggs $1.50 per sitting.
W. H. Wiebke, 266 Beaver ave, Ft. Wayne, Ind

PHILADELPHIA ASSOCIATION.

The Keystone P. and P. S. Association of Philadelphia was organized March 8, with a guarantee fund for expenses and premiums. Capital, $7,500. The officers are: President, E. L. Walsh; vice-presidents, A. C. Harrison, Wm. Disston; treasurer, J. C. Chester; secretary, J. Emlen Smith; assistant secretary, S. M. Robinson, to whom all correspondence should be addressed at 906 Girard Bldg., Philadelphia, Pa. A great show will be held November 28 to December 2, 1899. Entries close November 18. We hope success will attend this splendid effort.

JACKSON, MICH., FANCIERS.

The Jackson Poultry Fanciers' Association has been organized. The interest in Michigan is increasing. The officers are: President, John Holton; vice-president, N. Schweinfurth; treasurer, John Ford; executive committee, W. S. Cobb, F. D. Hecox, S. E. Knowles, F. W. Traviss, N. Schweinfurth; assistant secretary, H. N. Hanchett, and secretary, W. H. Eaton, to whom all letters should be sent, at Jackson Mich. We are personally glad to extend a cordial greeting to Mr. Eaton and his associates.

CINCINNATI ASSOCIATION.

The Cincinnati Poultry Association held its annual meeting February 25th, 1899, and elected officers as follows: President, F. C. Wright; 1st vice president, Dr. E. M. Barnes; 2nd vice president, Dr. C. S. Liggett; treasurer, Julius Friedeborn; secretary, A. E. Brooks. The next annual show will be held January 16th to 20th, 1900. Address all communications to A. E. Brooks, secretary, S. W. Cor. Seventh St. & Freeman Ave., Cincinnati, Ohio.

MACOMB, ILL., SHOW.

The McDonough County (Ill.) Poultry Association, at the annual meeting elected officers for the ensuing year as follows: President, W. H. Switzer; vice president, T. J. Dudman; secretary, Miss Marie Edie; treasurer, A. Decker. The last show was judged by B. N. Pierce, and was a success in every way.

We have employed Theo. Hewes for our third annual exhibition, which will be held December 25th to 30th, 1899. MISS MARIE EDIE, Sec.
Macomb, Illinois.

BOSTON SHOW.

The next show at Boston will be held January 15 to 20, 1900. Communications should be sent to A. R. Sharp, Taunton, Mass. This is one of the greatest exhibitions in America, as every poultryman already knows.

The Kentucky State Association will hold its fourth annual show at Louisville January 22 to 27, 1900, with Bridge and McClave judges. The officers are: A. H. Hite, president; F. R. Wright, vice president; J. L. Ormsby, treasurer, and Frank G. Hogan, secretary, 425 W. Main St., Louisville, Ky.

Sold only in Sealed and Branded Sacks.

It Makes Hens Pay.

"THE ONLY PROPER FOOD."

HAGERSTOWN, MD., July 6th, 1898.

GENTLEMEN:—We have subjected your American Poultry Food to the most thorough tests and with gratifying results. It has produced such marked benefits on young "peeps," growing birds and laying hens, that we have adopted it as the only proper food, and we feel that we cannot too strongly recommend its use to all poultry breeders and fanciers. A. W. RUDY & SON.

The above bird is owned by Messrs. Rudy & Son, and has received two first prize awards. She was reared and fitted for show on American Poultry Food.

Practical Poultry Feeding, a little book covering a wide range of subjects of vital interest to Poultrymen, will be sent you free, post paid, on request.
Address, **SCIENCE DEPARTMENT,**

THE AMERICAN CEREAL CO., 1353 Monadnock Bldg., CHICAGO, ILL.

Adirondack BLACK MINORCAS. Exclusively.

My Minorcas have a show record at **MADISON SQUARE GARDEN**, and elsewhere, which is proof of high quality. They are also bred for layers. **IT IS NOT TOO EARLY TO PLACE YOUR ORDER** for **EGGS** from my best prize matings, **BRED IN LINE**, at $3 for 13; $5 for 26; or $10 for 65 **EGGS**. My Minorcas are noted for size, type and color. Mention A. P. J. and get circular.

J. H. DOANE, Lock Box D, Gouverneur, N. Y.

Weishar's Buff Plymouth Rocks

Were never so fine as this year.

Eggs from my prize winning pens, $3 for 13, $5 for 26, $7 for 39. I have 1st, 2d and 3d on cock; 2d on hen; 1st, 2d and 3d on cockerel; 1st and 2d on pullet; 1st, 2nd and 3d on pens. They have the Golden Buff color throughout, including under color. Address

W. H. WEISHAR, 71 Stephenson st., Freeport, Ill.

Wyandottes.

Our Golden and White Wyandottes, Golden and Silver Seabrights—All Line Bred.

Winners of most of the large shows of the world for over 13 years. They have won at *Madison Square Garden, New York* 81 regular prizes and many specials and medals. Our great Chicago record has never been approached by a breeder of above varieties: on 39 birds, 37 regular premiums, 19 firsts out of 21 competed for and we don't buy our winners, (breed them.) If you are after lacing of the correct kind, that is, thouroughly stamped in blood, try us. We have several hundred fine Golden Wyandottes yet to spare and some fine Sebrights and Buff Lace Wyandottes at reasonable prices. Eggs $3 for 13, $5 for 26. Fancy circular for 2 cents tells all about our winners.

Box 75. **IRA C. KELLER, Prospect, Ohio.**

Chicago Winners.

Tibbet's Barred Rocks proved a surprise party at the great joint show, Chicago, Jan. 9 14, '99, where in competition with the "best in the country" my Rocks won 2n 1 on cock, 91¾, 5th cockerel, 93 (Hewes); 4th and 5th pullets, 92½, 92½ (Russell) and 2d breeding pen, 185¼. The giants were there, but I got my share!

EGGS FOR HATCHING, yards headed by **CHICAGO WINNERS.** Before placing your orders for eggs get my 1899 Catalogue, ready March 1st. Free. Mention A. P. J.

H. TIBBETTS, Neponset, Ill.

Lincoln Park Poultry Yards,

GORDON L. REILLY, Proprietor.

WHITE PLYMOUTH ROCKS.

I have choice breeding stock, young and old, for sale with score cards. Egg Orders booked now. Write for prices and description. Address

GORDON L. REILLY, 28 Jackson st., Danville, Ill.

DO YOU KNOW

that eggs from Farm Bred Stock always produce good hatches and vigorous chicks ?

We have them.

Barred Plymouth Rocks, (Thompson-Leffel strains), "The best general purpose fowl."

Rose-Comb Brown Leghorns, "The greatest egg producers known. Frost proof combs." (Benedict strain.)

The Fact that we sell at **"Live and Let Live Prices,"** does not indicate that our stock is second class. **We won first premiums** at New Albany Show this year, I. K. Felch, Judge; and our birds have won in every show entered heretofore. References: Mercantile agencies, Dun & Co., U. S., American or Adams Express here. **Or Any of Our Numerous Customers. Eggs** from prize winners, (score by Felch) $1.50 per 15. Orders booked now. Ckls. scoring as high as 91½ by Felch, $2 and $3.

OAK LEAF STOCK FARM, 50 Acres. **FERRIS & ZINK, Props., New Albany, Indiana.**

My Buff Rocks Did Win

At Indianapolis, Ind., Jan. 23 to 28, 1899.

1, 2, 3, 4, cockerels; 1, 3, 4, pullets; 1, 2, 4, hens, (did not show cock bird.) 1st for best exhibit on Buff Rocks. Eggs from best matings, same as I use for myself, only $2.00 per 15, $5.00 per 39. My Brown Leghorns have been continuous winners for 10 years. They are extra fine shape, size, and color. Eggs from my best selected matings, same as I use for myself, only $2.00 per 15, $3.50 for 30. My Barred Rocks are of superior size, shape, and color. Eggs from my best matings, $1.50 per 15, $2.50 per 30. Stock for sale. Write

ED. B. MURPHY, Box B., Carmel, Ind.

CYCLONE STRAIN BLACK LANGSHANS

Undoubtedly the best birds of their kind in the United States. We originated this prize winning strain fifteen years ago, and have bred in line, assisted by rigid selection, ever since. That accounts for the high standard of excellence of our fowls.

Eggs For Sale from Pens Scoring 94 1-2 to 96 Points.

We have also a fine line of prize winning Brown Leghorns, Light Brahmas, Barred Plymouth Rocks and Pekin Ducks. ***Fowls and Eggs for sale. Satisfaction guaranteed.*** Send for free circulars and price list.

H. C. ECKERT & SONS, Box A., Belleville, Ill.

HERE IS QUALITY FOR YOU.

At the great CHICAGO SHOW Jan. '99 I won more prizes in proportion to the number of birds entered than any other Wh te Rock exhibitor. My two pullets that tied for first and won second and third were the two highest scoring birds in the White Plymouth Rock Class of 104 birds, the cream of the Country.

HECK'S CUSTOMERS

will get eggs this season from a pen headed by a 95½ p int male bird and mated to females scoring from 94 to 96½ points by Felch at New Albany, Ind., and Russell at Chicago.

Drop me a few lines about that egg order. I would like to argue the matter with you. It is to your advantage as well as mine. ***FRANK HECK, Box 12, New Albany, Ind.***

Sec'y-Treas. Am. W. P. Rock Club.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

DUTIES OF BUYER AND SELLER.

How to sell fowls—how to make money with poultry as a commodity—is a problem that many poultry raisers have solved, and many more are still trying to solve.

The phenomenal success of the leading poultry publications during the past few years; the remarkable increase in the number of paying subscribers, and the unparalled increase in the number of advertisers in these journals, all tend to prove that the industry has reached a degree of importance never before realized in this country.

The poultry business is no longer a mere matter of raising a few fowls in an out-building, after a slip-shod fashion, nor a matter of experimenting with "fancy" breeds by a limited number of enthusiasts who meet and compare notes and opinions. The business is a national industry, adding no less than $300,000,000 annually to the produced wealth of the people.

Instead of a thousand or so readers of what was sneeringly termed "poultry literature" a decade ago, there are tens of thousands of intelligent and studious readers of magazines and books devoted to this subject.

This betterment of the tone of the poultry press has gone step by step with the increased patronage bestowed upon it by an interested public. Like begets like, in the publisher's office as well as in the breeder's yard. Advertising space is sought after by the poultrymen who have something to sell. Both parties perceive the opportunity and are making much of it. But are they making the most that can be made of the favoring conditions? We sometimes think that our advertisers do not quite appreciate their own share of duty and responsibility.

An advertiser owes as much to the public as a publisher. There are some who seem to think that the obligation begins and ends with the publisher—that the buying of space in a publication is a form of contract by the publisher to insure profitable trade to the advertiser. The truth is the contract goes no further than an agreement to place the advertisement properly before an appreciative audience. We use that word advisedly, since an ad misplaced before the public is a deliberate wrong. American Poultry Journal agrees, for example, to place poultrymen's ads before persons interested in poultry. If we were to send out thousands of copies of our magazine to names got by chance, we might be able to swear to "circulation," but we would be none the less guilty of deceit. We obligate ourselves to send this magazine to poultry admirers who may become buyers of poultrymen's wares. We not only do this, but we bend every energy to secure these people as actual subscribers. We do not mail large numbers of free sample copies as a venture and claim an enormous circulation. As a result, our advertising patrons are honestly served. Here our obligation ends.

At this point the advertisers' obligations begin. We assume the integrity of our patrons. No man can guar-

antee the honesty of all other men; but we do agree to defend buyers who are influenced to act by A. P. J. against palpable and demonstrable fraud. Here enters a nice and very delicate element. Misunderstanding between traders is not proof of fraud. The buyers of a bird or a sitting of eggs may be disappointed and still the seller may be an honest man. Most of the trouble that is reported to us, springs from misconception of needs and opinions. We settle such disputes by correspondence and rule impartially. If we have evidence of unfairness by the seller, we exclude him from the columns of A. P. J. After exercising care in accepting ads we agree to make good to buyers any actual losses incurred through positive frauds. To cite a case in point: A man bought a 30-word ad. He sold $21 of stock to a woman. She sent the money. After delay he forwarded three of the 12 birds and said the rest had been killed by accident. He returned $16 cash and charged her $5 for the three. She asserts that he was to pay express charges ($1.75). He denies this. We wrote several letters to both parties and then ruled that, since the buyer refused to accept the three birds (which were sold by the express company for 90 cents), the man should refund the $5. This he declines to do. So we shall exclude him from A. P. J. Our decision may seem unfair; but he is an old breeder and the woman is a novice. He can better afford to lose $5 than to jeopardize his reputation for strictly fair dealing. As there was no intentional fraud, we shall not pay that $5, as we would do if we believed the man to be wholly in error. Such cases hurt the business, but we can not look up the standing and characteristics of every small advertiser.

—o—

A NOVEL SCHEME.

F. B. Mills, the seedsman of Rose Hill, N. Y., whose success has been most remarkable, made so largely on account of his enterprise and fair dealing, has devised another scheme that is equally as forceful and attractive. The Ten Cent due bill that he furnishes to all who write him for a catalogue is proving a very liberal offer. Better send at once for catalogue and get a due bill which will help pay for your season's seeds.

—o—

The older readers of The Journal already are aware that we have no connection in business with any manufacturing concern. The newly found friends will learn that we sell space to reputable advertisers and leave them to a free field in the competition of trade. We do not know which is the "best" incubator, nor do we have the secret of which is the "best all-round fowl." We can not tell in one letter the full story of how to raise fowls for profit, nor can we offer conclusive advice to strangers on the advisability of their going into the business. But we shall try to give a little of this counsel to all in each issue of A. P. J.

—o—

W. H. Scovil, East Lebanon, Maine, has issued a neat booklet containing egg record. His birds are of the Buff varieties.

PURE WHITE WYANDOTTES from Clarevista Fruit Farm, Covert, Mich. Prize winners at Kalamazoo Poultry Show, Sharp Butterfield, judge; also at Dowagiac. Fine cockerels $2, $3, $5. $10. Eggs in season at $1.50 for 13; $3 for 30.

WH. WYANDOTTES.
Our Prize Winners.
Do you want something fine for breeding or the show room? We have them, and at right prices. Eggs in season at $2 per 15.
FRED KEITH & SON, Lansing, Mich.

KLINE'S BUFF ROCKS—Winners at such shows as Madison Square Garden, Hagerstown, Mt. Gretna, Johnstown, Washington, Kansas City. 4 gold specials and Silver cup. Eggs $2; 3 sittings $5. Write for catalogue. FRANK KLINE, Box 308 A, Spring City, Pa.

Thomas Has Winners.
Barred Plymouth Rocks and Pekin Ducks.
Our birds are farm grown and were first prize winners at Sabina, Xenia and Springfield, Ohio, this winter. Our catalogue tells all about them; write for it. Eggs from choicest matings for sale. Barred Rock eggs $2 per 15; $3.50 per 30; $5 per 50. Duck eggs $1 per 12; $3 per 50; $5 per 100.
H. P. THOMAS, So. Charleston, Ohio.

ROUP CURE GUARANTEED, **ROUP**
CONKEY'S ROUP CURE—the only remedy positively known to cure Roup in all its forms as long as the fowl can see to drink. Simply put the cure in drinking water and the fowl will take its own medicine. **For Canker**, especially in pigeons, this remedy excels all others. One 50c package makes 25 gallons of medicine. **Directions** with every package. If this fails to cure we refuud the money. Postpaid, small size, 50c; large size, $1. Petaluma Incubator Co., Petaluma, Cal., Pacific Coast Agents.
AGENTS WANTED. G. E. CONKEY & CO., CLEVELAND, OHIO.
Please mention this paper. Do not send stamps.

White Plymouth Rocks,
Exclusively—EmpireStrain.
If you want prize winners you must have eggs from pure stock. I have the stock; pure white, large size, yellow legs, beak and skin, low combs. Eggs, $2 per 15. Satisfaction guaranteed.
I. F. SCHOTT, Box 144, New Pittsburg, Wayne Co., Ohio.
Member Advisory Board A. W. P. R. Club.

SPRING RUN POULTRY YARDS.
Dr. W. A. CRUM & L. A. LOGSDON, Props.,
Carey, Ohio.
Buff White **P. Rocks,** Buff White Silver **Wyandottes** Toulouse Embden **Geese**
Buff Rocks score to 94, W. R. to 96, Buff Wyandottes to 93½, White Wyandottes to 96½ and Silver Wyandottes to 94½. All scored in strongest competition in show rooms at Toledo and Carey, O. Toulouse Geese scored to 98 and weighed 28 lbs. Embden to 98½.
If you want any of the above varieties write us for prices. No Buff Wyandottes or Embden Geese for sale. Circular out Feb. 20. Eggs $3 per 15. Embden eggs $2.50 per 7; Toulouse $2 per 7.

BUFF COCHIN EGGS
FROM THE BEST EVER MATED TO SELL EGGS FROM.
PRIZE WINNERS OF ENGLAND AND AMERICA.
Mated for the best Results.
Send for Special Circular.
COCHIN AND BRAHMA BANTAM EGGS.
STOCK ALWAYS FOR SALE.
T. F. McGREW, 1267 Broadway, New York City.

1888 **1899**
Barred Plymouth Rocks.
Of that Soft Blue Color.
Winners the past four years among the best. My last exhibit was at the Illinois State Show, Jan. 1898, where I won 1st hen, 93, (cut ½ on weight), 1st pullet, 93½; 2d pullet was bred by me. At this show nothing under 93 got a place in Barred Rocks. At one show this year birds of my strain won 7 out 8 possible prizes on females, scores running to 93½, weight counted. Eggs from my yards hatched winners for my customers last year. They will do it again this season.
Eggs $5 per Sitting. Orders Booked Now.
E. G. McCORMACK,
Perryville, Vermillion Co., Indiana.

TALBERTS LIGHT BRAHMAS

Won four of the five first premiums at the Trans-Mississippi and International Exposition; also 1 second and 2 sweepstakes on five entries. If you want good stock write us.

MR. & MRS. O. D. TALBERT, 1817 Lake st., Omaha, Neb.

THEY ARE BRED FOR EGGS AND MEAT.

LIGHT BRAHMAS, WHITE WYANDOTTES, S-C WHITE LEGHORNS.

We use none but strictly hardy, vigorous birds in our breeding pens—keeping as close to Standard requirements as is consistent for good health and profit.

Eggs for Hatching Only $1.25 per sitting of 15.

Utility being our aim. Orders booked now. Michael K. Boyer, Hammonton, Atlantic Co., N. J.

EGGS EGGS Stuckey's Buff Rocks

Are ***birds of highest quality,*** also ***prize winners*** and high scoring and mated to produce best results.

Fancy Buff Leghorns.

Popular strains. ***No better East or West*** than some of my ***prize-winners.*** ***White Rox*** of rare quality. Plenty of eggs after March 1st from vigorous farm range birds. Send for circular before ordering.

C. J. STUCKEY, Mechanicsburg, Ohio.

MAMMOTH LIGHT BRAHMAS.

Prize Winners at the Great Chicago and Peoria Shows, 1899.

Have some extra good birds for sale. Eggs in season $3 per 13. Rouen Ducks, eggs $1 per 11.

Mention this paper. MRS. S. M. ROBINSON: Washburn, Ill.

WE, THE PIONEER SHIPPERS

of White Plymouth Rock eggs by the hundred at a small figure, would be tickled most to death to receive your order. Have in the fruit belt, near Bangor, Mich., our new location, a 40-acre farm which will be utilized for the production of W. P. R. eggs and fruit entirely. We must expand very rapidly to meet the ever increasing demand for these eggs, and hope by another year to be able to cope with the same. Be not afraid of our offer. It is intelligent, enterprising and faithful. Eggs $3.00 per 100; $2.00 per 50, so packed as to travel with entire safety any distance without the least jarring, a very important matter. BANGOR WHITE P. ROCK EGG FARM, BANGOR, MICH., 85 miles east of Chicago. Western shipping point, Buckingham, Ill.

A. HOLMES.

CRESCENT'S S.C.B.LEGHORNS

CRESCENT POULTRY YARD — MILWAUKEE, WIS.

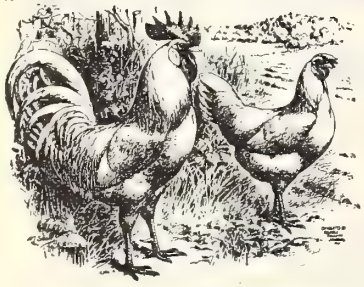
FRANCIS P. CRESCENT, Mngr.,

1532, 23d st., Milwaukee, Wisconsin.

NO USE TALKING, you know as well as anybody else that we have the most prolific laying strain of S-c. Brown Leghorns to be found, without our continually telling you so.

WHAT'S THAT YOU SAY? Suppose you are not satisfied. Why then we will return your money as cheerfully as we took it; that is our way of doing business. Brown Leghorns exclusively,

Eggs, $1 per 13. Write for circulsr—Free.



Wyckoff's White Leghorns

America's Business Hen.

Have been carefully bred and improved for the past 18 years regardless of expense and on the strictest application of the true principals of Leghorn breeding, with a result that fully justifies their acknowledgment everywhere as the World's Greatest Laying strain of S-c. W. Leghorns, combined with the highest degree of excellence in Standard qualities, size and vigor and layers of large, white, perfectly shaped eggs that command the highest premium in the finest city markets. Hundreds of unsolicited testimonials recently received from customers in all parts of the country, testify not only to their superior laying qualities but also to the many victories and high scores awarded them in the show rooms. Good breeding stock in early cockerels and 1897 hatched hens yet for sale. Eggs for hatching from my choicest selections and matings only, the cream of our 1,200 carefully bred birds. No close inbreeding ever practiced in my yards.

Eggs $2.00 per 15, $3.75 per 30, $5.00 per 45, $10.00 per 100.

Large illustrated and descriptive circular free. Address

C. H. WYCKOFF,
Box 314, Groton, N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

THE BUFF ORPINGTON.

A breed of fowls, like a strain of horses or a brand of wine, must have some striking point or points characteristic of no other breed, in order to become popular with the poultry fraternity. If it does not have something to enhance its value it is quickly relegated to the shelf to make room for the next aspirant for popularity.

When England does anything she never does it by halves; and she certainly has given us the whole thing when she presented us with the latest breed in fancy poultry. It is not very flattering to home industry to think that we must cross the water to get our most valuable breeds, but be that as it may, our English brothers have in this instance presented us with a fine breed and deserve the credit.

The breed we have reference to is the Buff Orpington. In form it is a symmetrical, up-standing, bird with a fine graceful carriage. The plumage is a soft, even buff with a grand undercolor. The legs are free from feathers; white, strong and of medium length; four toes upon each foot; white toe-nails. The face is red. The comb is single; not large, and less liable to freeze than the Mediterranean breeds. The eye is brown. The breast is broad, deep and full, with long straight breast bone. The skin is white, thin and fine in texture. The meat is very juicy and fine-grained, and is pronounced by epicures to be far superior to all other breeds for table use. The standard weight of cocks is eight to ten pounds; of the hen, six to eight.

The object in forming this breed was to combine prolific egg-producers with superior flesh for the table, hardiness of constitution, rapid growth and fine form and plumage. Possibly when you read the description and come to the white legs you will say: "I don't want any white-legged chickens about me." But "We first endure, then pity, then embrace." This covers this case nicely; and this peculiarity makes the Orpington hold a unique place in poultrydom in this country. There is a widespread prejudice against white-legged fowls here, and a very unreasonable one at that. It has prevented a great many breeds from becoming popular; but the Orpington has overcome this with all who have been brought in contact with it. It has overcome it because one cannot keep a good thing down; and that they are good the following will show:

I imported at one time four pullets and a cockerel. These fowls came from the interior of England and of course crossed the Atlantic, and were again shipped a distance of nearly one hundred miles by rail, arriving here March 8, 1898. Two weeks from the day they were shipped, the day of their arrival, one of the pullets laid; and in the remaining 23 days in March the pullets laid 57 eggs. The following month the egg total footed up 77; and in May these same birds rolled up a grand total of 82 eggs. This is a remarkable showing, under the circumstances, but it is characteristic of this breed. I venture to predict that they are destined to become popular with both farmer and fancier.

CHARLES E. VASS.

Washington, N. J.

SUCCESS WITH INCUBATORS.

Are you having the success with your incubator that you think you ought to have? If not, then the best investment you can make is to spend 50 cents for a copy of Artificial Incubating & Brooding, claimed by the publishers to be the greatest poultry book ever compiled. It is sold on approval. If on receipt of this book it is not considered by you to be worth the price, it can be immediately returned in good condition and the purchase money will be promptly refunded. The most expert incubator and brooder men in America have contributed elaborate, original articles to this book, telling in detail how to operate incubators and brooders with the maximum of success. The book is fully illustrated with original, copyrighted designs and is practical in the extreme. Artificial Incubating & Brooding is published by the Reliable Poultry Journal Publishing Co., Quincy, Ill., to whom orders should be sent. Price of the book sent postpaid to any address in the United States or Canada, 50 cents.

—o—

NOTICE OF REMOVAL.

To my patrons and friends—I desire to call your attention to the fact that I have severed my connection with the Lake Chemical Co. of Kansas City, Mo., and have opened up headquarters in St. Louis, Mo., where facilities for serving our patrons and friends are much better, as we are more centrally located and in better position to make lower prices, as will be seen by our ad in this paper. Thanking you for past favors and soliciting a continuance of your valued orders, I am yours truly, LAKE REMEDY CO.,

By G. W. Lake, Gen. Manager.

—o—

ST. LOUIS SHOW.

At the annual meeting of the stockholders of the St. Louis Fanciers' Association held March 7th, last , in St. Louis, the following officers and directors were elected to serve during the ensuing year: President, H. A. Cornet; treasurer, E. B. Smith; secretary, John A. Francisco. The above officers with the following named gentlemen comprise the board of directors: Robt. Bethman, J. H. Ahrens, Jos. Griesedieck, C. C. Kendall, Frank Griesedieck, W. E. Rundle, Henry Steinmetch, J. C. Salzgeber, Leonard Woods and Dr. Henry Schwarz. The date of the next show was fixed for Jan. 1st to 16th, 1900. Sharp Butterfield and H. A. Bridge have been engaged to judge the poultry, as yet the pigeon judges have not been definitely decided on, but it is safe to state that the St. Louis Poultry and Pigeon Show will have the best of talent for pigeons as well as poultry.

JOHN A. FRANCISCO.

—o—

R. W. Roberts, Buff Plymouth Rocks exclusively, Camroden, N. Y., writes he has mated all his pens this season and feels confident they surpass all previous matings in every way. He has a few more medium grade birds yet for sale and is prepared for a big business in selling eggs.

BUFF ORPINGTON'S welcomed to America.

England's most popular fowl. Wonderful egg producer. Madison Square, N. Y., 1st pen, 3rd and 4th pullets. Boston, 1st cockerel, 1st pullet. Mt. Gretna, Pa., 1st cock, 1st hen, 1st cockerel, 1st pullet. Catalogue tell the others. Eggs from imported stock, $3.00 per 13, $6.00 per 30. White Wyandottes and Buff Rocks $1.50 per 15, $3.00 per 30. Stock for sale. Satisfaction guaranteed. Circular free.

C. E. VASS, Washington, N. J.

• • • Phœnix Poultry Yard. • • •

Saturday, Feb. 4th, I had my entire stock of Lt. Brahmas, Blk. Langshans, S. L. Wyandottes Buff, Barred and White P. Rocks scored by Chas. McClave and as a result found 96 birds that run from 90 to 94. I have several that score 94½ by such judges as B. N. Pierce, F. J. Marshall and W. M. Clark. Examine my show record at Cincinnati and Portsmouth, O. Write me for prices on stock and eggs. Satisfaction guaranteed. Ten for a hatch or duplicate at half price. Chicks two weeks old 25 cts. each.

MRS. J. H. OREBAUGH, Box 7, Batavia, Ohio.

WHITE SILVER **WYANDOTTES.** GOLDEN BUFF

We have as good an average flock of Wyandottes as any breeder. 75 per cent of the birds in our breeding pens score from 90 to 95½ (average 92¾) by such judges as Bridge, Tucker, Heimlich and Meyers. Our birds are mated for good results. Each breeding pen (9 to 12 birds) has roosting and laying room 8x15, scratching shed 12x 15, yards 40x75, and are properly fed. Eggs that are fertile $2. No circular. A few good birds for sale.

MAPLE CITY POULTRY YARDS, F. M. Grier, Prop., Box C., Charlotte, Mich.

A Record Never Beaten in Michigan:

At State Poultry Exhibit. Detroit, Jan., 1899, 1st on B. P. Rock ckl., 93, by Russell. Won silver cup in B. P. Rock Club for best cockerel.

Record at State Poultry Exhibit, Jackson, 1896.

1st on breeding pen B. P. Rocks, score				186¼
1st on cockerel	"	"	"	94
1st on hen	"	"	"	93
3d on pullet	"	"	"	93

Sharp Butterfield, judge.

OAK LAWN POULTRY FARM,

C. W. MANSFIELD, Prop., Ypsilanti, Mich.

Breeder of Superfine

Barred Plymouth Rocks and Single-comb Brown Leghorns.

Birds and eggs for sale in season.

Eggs, $1.50 per sitting.

BUFF COCHIN AND SILVER SPANGLED HAMBURG EGGS

I have mated my Buff Cochin pullets with a cockerel selected by J. B. Clark, the noted Chicago Buff Cochin breeder. This mating was certified by Judge A. B. Shaner of Lanark, Ill., as one that could not be bettered. Eggs of guaranteed fertility for sale at $3 per sitting. Hamburg eggs $1.25 per sitting.

F. B. F RHODES, Nat. S. & R. Co., So. Chicago, Ill.

Brings the Biggest Price

The chicken that's marketed earliest brings the biggest price; greatest profits are made on chickens hatched in winter. The surest as well as the most economical means to success in winter hatching, is a Victor Incubator. The Victor is the topmost achievement in incubator construction; it absolutely and accurately regulates itself; it is the simplest, most reliable, most durable hatching machine, yet it costs less than any other incubator that approaches it in efficiency. Every purchaser of

The Improved VICTOR Incubator

receives a written guarantee that it will be all that is claimed for it, or his money will be returned. Send 6c for catalog or write for free circular.

GEO. ERTEL CO., Established 1867, Quincy, Ill., U. S. A.

"THIS IS IT."

The Utility Farm of the Age.

Plainfield Poultry Farm Co., Plainfield, N. J.

THE HOME OF

Corby's S-c. Wh. Leghorns.

The great winter laying strain.

Hundreds of youngsters bred this year from our Madison Square winners. You order—we guarantee satisfaction.

Also breeders of White Wyandottes, White and Barred Plymouth Rocks, Pekin Ducks. Circular free.

S. B. CORBY, Mgr.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

BRAHMAS, LIGHT DARK
COCHINS, Buff, Black and Partridge
LANGSHANS, BLACK

Barred White **PLYMOUTH ROCKS**
S-c. B. R-c. B. **LEGHORNS**
CORNISH INDIAN GAMES.

These in the heavier breeds—Grand good ones,
In the pens are also found extra specimens of
Black Minorcas, W. F. Black Spanish, S. S. Hamburgs.

Special For Quick Sale..... I want to sell some fine cockerels: 6 Wh. P. Rock, 2 R-c. B. and 4 S-c. B. Leghorn, 1 S. Wyandotte, 10 B. P. Rock, 3 Black Langshan, 2 Black Minorca, 2 Houdan, 1 Dorking.

RAINEY MILLER, Champaign, Ill.

Lake's Special Offer for April.

For 50 cts. We will send a half-gallon can of ***Lake's Lice Exterminator,*** which will rid your houses and birds clear of lice and mites in a few hours by painting the roosts, drop boards and nest boxes; and a half-pint bottle of ***Lake's Poultry Tonic,*** which prevents and cures bowel trouble, roup, cholera and indigestion; it is also the greatest egg producer and conditioner for poultry known.

For 75 cts. We will send a one gallon can of ***Lake's Lice Exterminator*** and a half-pint bottle of ***Lake's Poultry Tonic.***

Send for a sample order and if suited take the agency in your vicinity. Address,

G. W. LAKE, Gen. Manager.

LAKE REMEDY CO., St. Louis, Mo.

White Cochins
Barred Plymouth Rocks
White Plymouth Rocks
Black Langshans
Light Brahmas
Cornish Indian Games
Single-Combed Brown Leghorns
Pekin Ducks
Bronze Turkeys

Bred at Poplar Farm

Mahomet, Illinois.

Write R. D. Burnham, Champaign, Illinois, Sup't Poultry Exhibit of Champaign County Fair Association for premium list for 1899 exhibit.

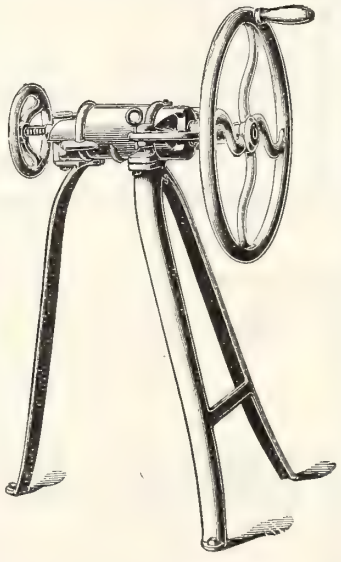
ALL stock is farm raised from pens mated to secure best results. We do not have as many birds as some but every pen is carefully culled and nothing but the best are retained for breeders. All eggs will be carefully packed and safe arrival guaranteed. All inquiries should be addressed to

Edward Kuster, Sup't, Mahomet, Ills. **R. D. BURNHAM, Owner.** Champaign, Ills.

The Adam Green Bone Cutter

(Formerly the Premier)

is the only green bone cutter made that is equipped with ball bearings.



That is one of the reasons why it is easier to operate than all others. Another reason is that the knives work on the shear plate principle. They **REALLY CUT** the bone; they don't gouge it off in chunks. Cuts all kinds of GREEN and DRY BONE, HARD, SOFT, FLESHY, etc., and *Never Chokes.*

It Needs No Cleaning. It Cleans Itself.

Our free circular tells all about it. Don't buy a bone cutter until you see them.

W. J. ADAM, Joliet, Illinois.

Buff P. Rocks, Single and Rose-comb Buff Leghorns; my own "ORANGE STRAIN" exhibition and breeding birds now for sale at right prices. Write, L. B. HANNA, Columbus City, Iowa.

J. G. LEMBKE'S LIGHT BRAHMAS.

J. G. Lembke, Griswold, Ia., has purchased the entire flock of Light Brahmas of Mrs. Phil. Crockett, of Coin, Ia. The cock, 93¾ by Brown, the highest scoring of its class at Shenandoah show, was from eggs of this flock, the dam winning 2d at Trans-

Miss. show, only missing 1st by ¾-point. The cock was not entered at that show, owing to moult. Fine cockerels and pullets are for sale from this stock, and eggs. The quality of these flocks is above question. The illustration is of the 93¾ point cock.

LAMBERT'S BARRED PLYMOUTH ROCKS.

D. J. Lambert (Death to Lice), of Apponaug, R. I., has been quietly though quite extensively breeding the Barred Plymouths for many years, in fact, it is now twenty-one years since he took hold of this variety. Along in the eighties his birds were often among the winners of Eastern shows. Six years ago Mr. Lambert was obliged to discontinue his advertising relative to his stock on account of being unable to fill over one-half the orders at least for eggs from his best matings. While a continuous demand for choice specimens now takes all the spare breeders every year. Fortunately last season he succeeded in rearing more "good ones" than usual and has mated more than the accustomed number of pens, and is offering the surplus at his old-time prices. His former customers will make note of this, and accept this opportunity of securing eggs that will strengthen their breeding pens another year, and at a moderate cost. Mr. Lambert says that he feels justified in selling eggs to any Barred Rock exhibitor, but will not knowingly sell a bird, at any price, to be shown in a class where he is to judge.

Ralph H. Mathew, Sabina, O., has sold three of his best Buff Leghorn pullets to William Friedman, Canton, O. These make Mr. Friedman's stock among the best in the West.

Geo. Owen, Wray, Colo., has W. P. Rocks that go to 94½, and are snow white, grand in shape and all other points.

A PRIZE WINNER.

The above half-tone is a reproduction of the 1st prize White Plymouth Rock pullet at the late Indiana State show. She is owned by R. M. Gard, Frankfort, Ind., and is almost ideal in

shape. At this same show Mr. Gard exhibited four cockerels that were not cut in color in any section, also some females were passed without a color cut. This is the kind of stock to breed from. See Mr. Gard's large ad. and send for his circular.

AMERICAN INCUBATOR COMPANY.

The well known Von Culin Incubator Co. has become the American Incubator Co. The location remains unchanged, being Delaware City, Del. The success of this machine is most gratifying, as we have especial reasons for knowing. The new name is a more universal one and will undoubtedly cause a favorable result. We wish the company abundant success.

This concern makes several sizes and styles of machines, ranging from $25 to $110 in price. We can not enter into a detailed description of them here, and therefore advise our readers, who contemplate purchasing incubators and brooders, to write American Incubator Co., Delaware City, Del., for circulars.

LEE'S LICE KILLER.

Letters of approval of this remarkable compound come to us from Trinidad, Mex., Koscinsko, Miss., Cuba, Ill., Spokane, Wash., South Norwalk, Conn., Bay Settlement, Wis., Montclair, N. J., and from many other sections. We might fill several pages with testimonials, but as these busy days suggest brevity we simply say: Lee's Lice Killer does the business. Send to Geo. H. Lee Co., Omaha, or F. S. Burch & Co., 178 Michigan st., Chicago, for circulars or goods.

F. B. F. Rhodes, South Chicago, care National Smelting and Refining Co., is a fancier of Buff Cochins and S. S. Hamburgs. He offers eggs from rare pens. We personally assure readers of A. P. J. that Mr. Rhodes is a man in whom absolute confidence can be reposed. His word is as good as the gold he handles in his professional work.

Buff Plymouth Rocks and Buff Cochins.
THEY ARE UP TO DATE.
Winners at New Albany, Ind., and Louisville, Ky., Jan., 1899. Two grand pens each. Eggs $2 per 15. Correspondence a pleasure. **J. C. BROWN,** Lock Box 17, **Campbellsburg, Ind.**

Get Them from Williams,
My **White Wyandottes** are all right and so are my prices. At the Southern Indiana Poultry Show in a class of over 40 birds I won 5 prizes on 7 entries. 1st hen, 2d cock, 2d pen, 3d cockerel and 3d hen. Eggs $2.00 per sitting. Write me.
THOS. L. WILLIAMS, 118 Willard Ave., New Albany, Ind.

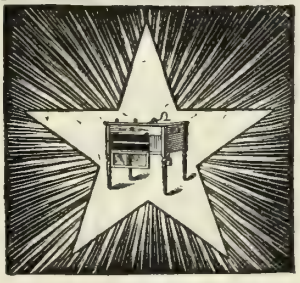
WHITE SILVER WYANDOTTES
Exclusively and PEKIN DUCKS.
Eggs—$1.50 for 13—Low Price, High Grade, Duck eggs $1 for 11; $7 per hundred. Sixty acres free range. First prize Lancashire S. W. cockerel, imported by Butterfield and recommended by him. 25 Wyandottes from Detroit show, 1st S. W. pullet; 2d W. W. cockerel. In splendid shape.
TAYLOR & HILL, RAPID RUN POULTRY FARM, Station F., Cincinnati, Ohio.

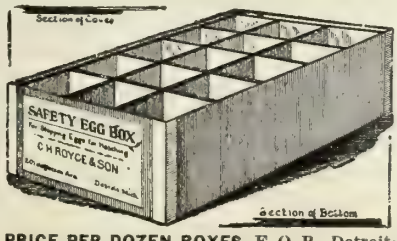
Hardy Poultry Grown in Minnesota that will stand any climate.
Barred Plymouth Rocks, R-c. Brown and White Leghorns, Light Light Brahmas, Mam. Bronze Turkeys, Pekin Ducks.
Breeders and Exhibition Birds.
I give the poultry business my entire attention, guaranteeing satisfaction. Write for catalogue and prices. ***A. A. GRAY, Box A. 347, Redwood Falls, Minn.***

STEINMESCH STRAIN
SILVER WYANDOTTES.
Laced wing-bars and open centers in the back "that one can see 30 feet away." That is the kind I breed. I use Hartnest Nest Boxes in all my breeding pens.
I WILL SELL EGGS at $3 for 13. Every egg is marked with band number of female laying same, pen number and date laid. That is the kind of eggs I sell. Who can offer you as good? Remember price for such eggs is $3 for 13, straight. No discount in larger quantities. Circular free. Address HENRY STEINMESCH, Lincoln Trust Building, ST. LOUIS, MO.

State Line Poultry Yards.
Eggs for $1.25 per sitting.
From White and Barred Rocks, White and Silver Wyandottes, Rose-Comb Brown Leghorns, Black Langshans, Partridge Cochins, Light Brahmas and Pekin Ducks. **No Circular. Duroc Jersey Swine.** Breeding Pens scoring from 92½ to 94 points. Farm raised.
J. T. THARP, Mt. Sterling, Ia.

EGGS DAMON STRAIN **S-C. BROWN LEGHORNS.** **EGGS**
PEN 1—Headed by 1st cock, Chicago and Danville, '98, score 94, and containing 1st hen, Chicago, and 3d (tied 2d) pullet, West Liberty, Ia. **EGGS** $3 per 13; $5 per 26.
PEN 2—Headed by 2d cock, Chicago, '99, score 93½, with mates strong in color and size. **EGGS** $2 per 13; $3.50 per 26.
PEN 3—Headed by cockerel, score 92½ at Chicago, '99. **EGGS** $1 per 13; $1.75 per 26.
A Few Good Breeding Cockerels Dirt Cheap—$2, $2.50, $3 each.
1899—Descriptive Circular Free—1899.
EGGS ***C. M. DAVIDSON,*** ***3430 West 64th st., Chicago Lawn, Ill.*** **EGGS**


Suits Everyone.
We guarantee the Star incubator to be satisfactory to the purchaser or return money without question.
This Guarantee is Without an Equal.
NO moistnre to be supplied. Our **Free Catalogue** tell all about this wonderful machine.
STAR INCUBATOR CO.,
Bound Brook. N. J.



A Trial will convince the most skeptical that our
SAFETY EGG BOX
Is the best package ever devised for shipping eggs for hatching. Box and cover are same depth. Padded with corrugated paper packing, partitions constructed of same material, forming a box strong enough to hold the weight of a man. Each egg is protected by a soft, yielding substance, a safeguard against breakage. Packing and shipping consists simply in placing eggs in compartment, tying and addressing.
PRICE PER DOZEN BOXES, F. O. B., Detroit: 12 egg $1; 15 egg $1.20; 30 egg $2; 40 egg $2.50. Highest testimonials. Circulars cheerfully furnished.
Manufactured by C. H. ROYCE & SON, 201 Jefferson ave., Detroit, Mich.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

At Toledo Show, Butterfield, judge; 75 birds in class, my White Rocks won, 1st cock, 1st and 2d hen, 2d (tied 1st) and 4th cockerel, 2d and 5th pullet, 1st pen; 10 birds entered; 10 premiums won. Eggs $2 per 13. Stock for sale.

F. J. PHELPS, Bucyrus, Ohio.

EGGS FOR SALE

From two choice pens of **Barred Plymouth Rocks**

At $1.50 per 15. Satisfaction guaranreed.

E. F. PEIRCE, Catawba Island, Ohio.

Buff Leghorn Eggs from pens headed by cockerel 92⅔ and females from 91¾ to 92¾ ......

SOLID BUFF, no white or black in plumage.

All Customers Satisfied and $2 for 15 Good Hatch Guaranteed.

WILLIAM RUDI, - - - - - Bourbon, Indiana,

THREE YEARS AT CHICAGO

The Higley Light Brahmas

have proven their superior merit.

1897—Won 1st cock, 3d cockerel, 3d and 5th pullet.

1898—Eight awards on nine birds, 2d and 3d cocks, 1st cockerel, 3d, 4th and 5th hens, 2d and 5th pullets.

1899—Showed the four highest averaged females; 1st hen, 2d pullet, tied 3d 4th pen. Cockerel in pen scored 92½, cut 1½ for weight.

EGGS FROM EIGHT FINE MATINGS. Circular free.

Only a few cockerels for sale.

WILLOWHURST BRAHMA YARDS, (Station C), Cedar Rapids, Iowa.

Welch's S-c. B. Leghorn. **Prize Winners . . . . . . Wherever Shown.**

Celebrated Brace and Walling Strain.

Have bred them 7 years. None better. *Chicago Winner*, cockerel in 1898 to head my yards mated to pullets scoring not less than 93. As a cock he won 1st prize at Cent, Mich. show 1898, score 93½. Breeding stock for sale at reasonable prices. *Eggs $2 per sitting from pen No. 1; 2 for $3.50; 3 for $4.50* From other pens, *$1.50 per sitting; 3 for $3.50. Satisfaction guaranteed.* **J. C. WELCH, Lansing, Mich.**

Well, Well, Well!

Grant's Buff Cochins and Lt. Brahmas

Again Victorious

at the great Elmira Poultry Show, winning on Buffs, 1st and 3d cocks, 1st, 2d, 3d, 4th and 5th on hens, 3d and 5th on pullets, 1st pen and special on Lt. Brahmas, 2d on cock, defeated for 1st by ½ point, 1st, 2d and 5th on hens, two 3d on cockerels and the mayor of the City Silver Cup for the 10 highest scoring Asiatics. A few good birds left for sale cheap; write at once. Eggs $2.00 per 13 straight. I am New York State Agent for Mrs. Ella Thomas' cholera cure and insect exterminator.

JOSEPH H. GRANT, Elmira Heights, N. Y.

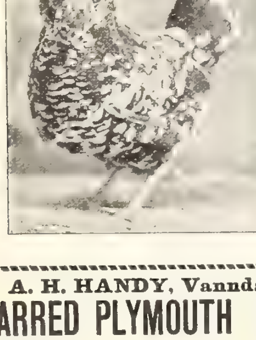
RIGG'S LINE BRED SINCE 1874 HOUDANS

Matings for 1899: The noted Sire and unbeaten Show bird, ***ST. ELMO,*** weight 8½ pounds, score 95¼, is Premier at ***Le Bocage, Imp.,*** score 93½, our first prize cockerel at Chicago, 1899, and sons of ***ST. ELMO*** scoring 94, 94½ and 94¾, also do service. Each and every female in these several pens are ***Above Standard Weight,*** and grand in markings, style and finish.

EGGS FOR HATCHING.

These matings must, in the very nature of things, produce something extra choice—the ***Large, Dark, Typical Houdans*** so much desired. It has been the record of this strain for more than a quarter of a century. Prices, $3 per 13; $5 per 26; $7 per 40.

THOS. F. RIGG, Iowa Falls, Iowa.



Now is the Time

to buy good breeding stock for the coming season.

It will be greatly to your interest to write and get our prices before you buy. We have a fine lot of Houdans, W. P. Rocks, B. P. Rocks and W. Wyandottes to select from. Our prices are low for quality of stock. Your money back if you are not satisfied. We ship at lowest rates possible. Can be be of any use to you?

Eggs $3 to $5 for 13 Eggs.

Old Honesty Poultry Yards, Rockford, Ohio.

A. J. BARGAHISER: Prop.

Millet Seed For Sale at $1.10 a bu.; 10 bu. for $8.

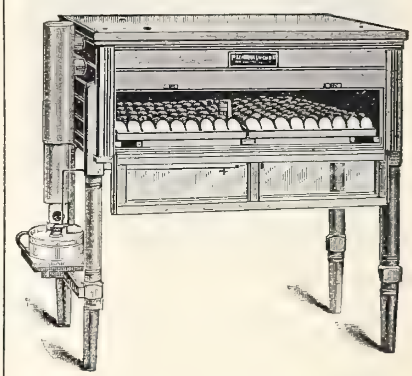
A. H. HANDY, Vanndale. Arkansas,

BARRED PLYMOUTH ROCKS, Only. WRITE ME YOUR WANTS.

A few choice cockerels for sale. Also eggs in season, $2 per 13.

A CALIFORNIA PRODUCT.

Inventors have expended their best efforts to produce the most perfect apparatus for artificial hatching and raising of chicks. In this particular none have been more successful than the Petaluma Incubator Company of Petaluma, Cal. For a period of over twenty years they have been making incubators and brooders. It is no uncommon thing for from seventy-five to ninety machines to be shipped in a single day from this factory. The lumber used in their construction is the celebrated California Redwood, while the interior parts of the best copper, galvanized steel, asbestos and other high-grade materials. The egg trays are an especial feature and to be found



in no other, being galvanized steel frames, and corrugated steel wire bottoms made by their own special process. The regulation of the heat is marvellously accurate, and the machines throughout are in every part and particular high-grade. In addition to all this the company inaugurated the plan of prepaying the freight to all points in the U. S. and although California is away out west, it produces first class Incubators and Brooders, which can be laid down at your nearest R. R. Station at factory prices in a surprisingly short space of time, owing to the rapid transit of the present age. A beautiful catalogue is issued and will be mailed free to any one writing the Petaluma Incubator Co., Petaluma, Cal. Mention A. P. J.

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TRANSFER OF STOCK.

New Holland, Pa., March 1, 1899.

This is to certify that I have sold and delivered to Gery Bros., Reading, Pa., my entire flock of Buff Leghorns, Cornish Indian Games (excluding all 1899 chicks to date), fixtures and Homing Pigeons, including my winners at New York, Boston, Elmira, Washington, Hagerstown, Mt. Gretna, Coatesville, Wilkes Barre, West Chester, and Carlisle (106 chickens and 45 pigeons). In obtaining this flock of birds Messrs. Gery Bros. have secured, in my opinion, a collection second to none in this country, and any one desiring birds or eggs, will make no mistake by placing their orders with them. I recommend any prospective purchasers and my former patrons to the above named firm.

GEO. W. KINZER.

—o—

Reliable Inc. & B. Co., Quincy, Ill., issue a fine catalogue of machines and supplies.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Cornish Indian Game Cock "Admiral," owned by Will S. Templeton, Dakota, Ill.

AN IMPORTANT SALE.

W. S. Templeton, Dakota, Ill., has purchased from L. B. Richardson, Chicago, treasurer N. F. A. of C., his entire stock of prize-winning Indian Games, with cuts, good will and business. The list includes "Admiral," imp. from Brent, Cornwall, Eng., 1st Chicago, sired by full brother to 1st 1896 Crystal Palace pullet; two imp. yearling hens, same breeder, winners in England, Chicago, New York; hen, 1st Chicago; hen, imp. from Frayne, 1st Mid-Con. '97-'98; yearling hen, 1st Kansas City, Danville, Chicago, '98; cockerel "Prince Hal," 1st Chicago, '99; and others. Mr. Richardson will devote his time to illustrating, as he has leisure from regular work. He recommends Mr. Templeton highly. Eggs can be purchased of present owner.

EUREKA NEST BOX.

The success of the Eureka Nest Box is demonstrated. Hartnest Poultry Yards, box 7, Framingham, Mass., have devised a plan whereby fowls can be bred as if alone, while the convenience of the pen is maintained. They have also a Pedigree system that solves the problem of insuring individuality. This matter calls for a more detailed statement than we can make here, and we suggest that you write for the circular. There is at present no stock for sale. The proprietor informs us that he has already returned $1,600 to would-be buyers this season and he wishes the public to understand that he offers now only the famous Eureka Nest Box.

CRESCENT FARM.

Henry M. Ladd, proprietor Crescent Farm, Kent, Ohio, writes that he has secured the services of M. E. Wurts, formerly of Westfield Poultry Farm, Leroy, Ohio. Mr. Wurts is recognized as an expert in breeding Barred and Buff Plymouth Rocks, and will have exclusive charge of the above varieties at Crescent Farm, where he has mated several yards of very choice birds of his own breeding. E. T. Blood retains the management and will have charge of breeding Buff Cochins and White Leghorns as heretofore. They have recently issued a very handsome 6-page circular which will be mailed free to readers of The Am. P. J. upon application.

MR. HUNT IS READY.

Editor American Poultry Journal: I am very desirous that such a test as Mr. Cornell proposes should be made. I have for some time taken exception to the way the writers have utterly ignored the breeds of R.-c. Brown Leghorns and R.-c. Black Minorcas, especially in answering inquiries as to which is the hardiest and best laying variety. We all know three things: 1st, that with the care that the majority of farmers can give their poultry, a great many of them will get their combs frozen. 2nd, that a hen with a frozen comb will not lay, and it will be a long time before she will begin after she gets over the immediate effects. 3rd, that a small rose-comb is far less liable to freeze than the tall combs of the single variety. I have bred both varieties and know "where I am at." Now, I would like a test with my single-comb friends, as Mr. C. suggests, and will agree to send five hens anywhere in this state (N. Y.) provided each variety is represented. The question should be, "which is the best breed or variety for me with the care that I am able to give it?"

C. I. HUNT.

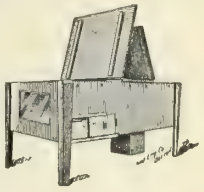
Nunda, N. Y.

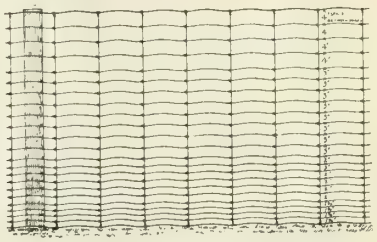
Cornish Indians, Exclusively.

Five years a breeder of the best ckls, with score cards by Heimlich 91½-93, $2.50 to $5. Eggs in season. Write your wants.
H. S. MARKS, Box 540, Lanark, Ill.

THE OLD HOME-STEAD BROODER

will care for 100 chicks until they are old enough to go to the roost; the simplest, cheapest and best Brooder made. Circular free. L. BROWN, Sturbridge, Mass.





A WELL FED RAT

can't go through Page Poultry Fence. The five bottom wires are only 1½ inches apart. It has 23 large horizontal wires and is 58 inches high. Send for descriptions.
Page Woven Wire Fenco Co., Adrian, Mich.

CLOVER SEED

Largest growers of **Grass and Clover Seeds** in America. 5000 acres. Meadows sown in April will give a rousing crop in July. Prices dirt cheap. Mammoth catalogue and 10 pkgs. grass and grains, including Bromus Inermis, Rape, 40c. Wheat, $3000 Corn, etc., free for 10c. postage.
JOHN A. SALZER SEED CO., LA CROSSE, WIS.

MASCOTTE
Incubators and Brooders

represent unequaled value in machines of this class. They are made to hatch and brood chicks and they do it with great regularity. They never fail because they are made so

They Can't Fail

even in the hands of the inexperienced. Provided with regulators that **will regulate,** controlling the **heat and ventilation perfectly.** Handsome and **durable** in construction. Sold under a positive guarantee to do as recommended or money refunded. Write for **FREE** catalog and guarantee.
Mascotte Incubator & Lumber Co. Box 23, Bedford, O.

CHICK MANNA

Makes a certainty of growing chicks. If you feed it according to directions you can

RAISE EVERY CHICK YOU HATCH.

It Makes 'em Grow

because it regulates the bowels, promotes good health, begets strong constitution and produces rapid development. Fully endorsed by the thousands who use it. You will be its friend after one brief trial.

Price of Chick Manna { 1 lb. package 10c; by mail 25c. 5 lb. package 40c. 60 lb. case, bulk, $4.20.
Liberal discount to dealers on case lots.

POULTRY SUPPLIES

of every kind and for all conditions and requirements in our illustrated special catalogue. ***Mailed free to any address.***

Johnson & Stokes, 217 and 219 Market St. PHILADELPHIA, PA.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

1876 **Eggs $1 Eggs $1** 1899

From prize winning Light Brahmas, Buff Partridge and White Cochins; **Buff.** Barred and White Plymouth Rocks, Silver and White Wyandottes, Houdans, W. C. B. Polish. 23 years' experience. All high scoring birds. Eggs carefully packed in baskets to carry safe any distance, $1 per 13. L. BAIRD & CO., Eureka, Ill.

RIVERSIDE POULTRY YARDS, BELLEVILLE, WIS., W. B. MOREHEAD, Prop.

Breeder of . . . . Felch Pedigreed Light Brahmas and M. Bronze Turkeys, Exclusively.

A choice lot of young stock for sale in pairs, trios or singly. Surplus breeders of 1897 for sale cheap. Send for catalogue. Mention American Poultry Journal.

Nearly a Sweep on Brahmas

AT MADISON SQUARE GARDEN.

My birds won three firsts, three seconds, one fourth and two silver cups. Eggs from pens headed by 1st cockerel and 2d cock, $4 per 13.

ALBERT L. SESSIONS, Bristol, Conn.

YOU CAN'T FAIL

of complete and entire success in the poultry business, if you only start right. A right start means the use of the right incubators and brooders.

THE NEW SAUMENIG HATCHER

is the acme of simplicity, utility and durability. Made in four sizes, from 50 to 300 egg capacity. Perfectly automatic in every way. Tank and pipe brooders capacity 75 chicks upwards. Don't buy until you get a copy of our **FREE Catalogue.**

THE SAUMENIG HATCHER CO. Box 26 Springfield, Ohio.

EGGS in abundance from 3 pens each breed and prize-winner matings.

BUFF P. ROCKS, 15 for $3; 30 for $5.

From prize pen.

And from pens Nos. 2 and 3, 15 for $2.

LANGSHANS, 15 for $2 . . . . All exhibition Stock.

Buff males score 92½, 92, 92. Females score 93½ to 91½.
Langshan males score 94, 94½ and females to 95.
Cup winner under Felch. A few cockerels for sale.

S. E. McINTOSH, Hardingsburg, Ind.

HEIMBERGER'S LANGSHANS.

= = 1899 = =

2 Silver Cups 2 In Two Weeks.

Awarded for the highest scoring Breeding pens at New Albany, Ind., and Louisville, Ky., all varieties competing. At New Albany, Ind., I. K. Felch, Judge, I received 1st, 2nd and 3rd on cockerels, with scores af 96, 95. 95. I had eight (8) pullets and hens scoring 95 points each. My first pen scored 191 and second 189⅝. At Louisville with a different lot of birds my best pen scored 189⅜ by Judge Bridge and won Silver Cup for highest scoring pen in the Show, all varieties competing. My records speak for my Langshans and these last victories are unequaled by any breeder in America. Choice cockerels for sale. ***Black Langshans exclusively.***

Eggs $3 per 13. Address

ADAM HEIMBERGER, New Albany, Ind.

GROVER & GROVER,

Breeders of

White Plymouth Rocks, Black Javas and Buff Plymouth Rocks,

Proved a surprise party at the *Great Chicago Show*, where they won on White Rocks, 40 per cent of all 1st prizes and more regular and special prizes than any one breeder in the show, including 1 cock, 1, 2, 3 hen, 4 pen and R. P. J.'s $25 cup for the highest scoring 10 White Rocks in the show. On Black Javas they won 8 regular prizes on 8 entries. Birds $2.00 and upwards. Eggs $2.00 per 13. Send for Show Records.

GROVER & GROVER, Concord, Mich.

Arnold's Buff Leghorns.

253 PRIZES SINCE 1890.

At Crystal Palace, England, New York, Boston, Washington and Hagerston

No finer matings on earth than ours this season. Eggs from our best matings at $5 per 15, $9 per 30, $12 per 45. Other fine yards, $2 per 15. We guarantee 10 chicks to each sitting.

Buff Plymouth Rocks.

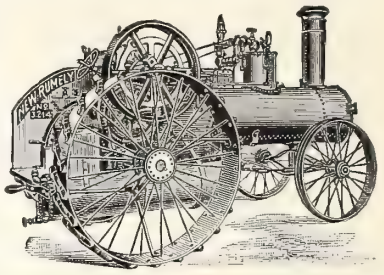
Only two yards, but the finest money would procure. A few sittings at $5 per 15, $9 per 30, $12 per 45. Send stamp for Catalogue.

AUG. D. ARNOLD, = = Box 77C, Dillsburg, Pa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

THE M. RUMELY COMPANY.

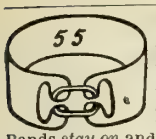
The institution bearing the above name was established forty-six years ago and has been doing business and growing all these years, at LaPorte, Indiana. They are manufacturers of a line of machinery that has not only made them famous in this country, but which has been of such quality and superiority as to attract trade from European countries as well. The M. Rumely Separators and Engines are known everywhere for the superiority of their construction and the uniform high quality of their work. The cut which we present herewith is that of the New Rumely Rear-Geared Traction Engine, with friction clutch. In addition to this traction engine these people make also Compound Traction Engines, Portable Engines and Semi-



Portable Engines. In Threshers they manufacture the New Rumely Separator, which combines the apron and vibrating principles, with leading spouts, high wagon elevators, clover hulling attachment, telescope weighing device, telescope bagger, etc. These machines are equipped with the famous Rumely Uncle Tom's Farmer's Friend Straw Stacker, the Rumely Band-Cutter and Feeder and the Rumely Automatic Stacker. A full line of Dingee-Woodbury Horse Powers, Saw Mills of various sizes and Maurer's Automatic Baling Presses completes the line. Every article is the complete embodiment of good material, good skill and perfect workmanship. Write them for large illustrated catalogue, which they will take pleasure in mailing to our readers.

STAY WITH THE FARMER.

In this day of trusts and combines, and when every man's hand seems to be against the farmer, there is some degree of satisfaction in knowing that there are yet a few people who stand out independently and prefer to take chances with the man who tills the soil. Among these may be named the Advance Fence Co. of Peoria, Ill., woven wire fence of the various standard heights, and sell it direct from their factory to the farmer. In fact they positively refuse to conduct their business in any other way, and the individual consumer can buy Advance Fence just as cheaply as the dealer. The fence is of excellent quality and the methods of dealing are fair and equitable. If you are seeking farm fence of good quality in any quantity you should open correspondence with these people. Write them for illustrated catalogue which they mail free. Tell them that you saw the ad. in A. P. J.



Peerless Leg Bands.
Poultry Printing.
Rubber Stamps.

Circulars and sample leg band free. Get my prices on *up-to-date* printing and rubber stamps. "Peerless" Leg Bands *stay on* and *stay bright*. They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed.

B. F. Huntington, Platteville, Wis

THE ONLY ONE

Pike's Lice Destroyer is the only lice killer that is sold on a guarantee to kill lice and mites or money refunded. It is no trouble to use it as the liquid is sprinkled on the roosts and kills the vermin while the poultry sleeps.

Pike's Lice Destroyer, per gallon can.....$ .75
Crushed Oyster Shells, per 100 lb. bag ..... .75
Mica Crystal Grit, per 100 lb. bag ..... .75
Ground Bone, per 100 lb. bag 2.00

Much lower prices for larger quantities.
Agents wanted. Send for descriptive circulars.

Ship us Your **POULTRY AND EGGS**

SPRAGUE COMMISSION CO.,
218 South Water St., Chicago.

AN INCUBATOR

Free.

Full information how to obtain a 200-egg

Reliable, Prairie State or Successful Incubator Free

Will be found in the March issue of

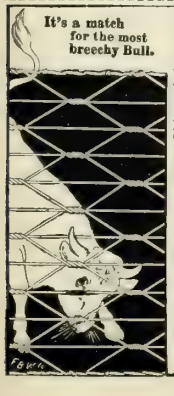
Western Garden and Poultry Journal
of Des Moines, Iowa.

A sample copy will be sent for the asking 3-1

B. B. RED GAMES and GAME BANTAMS.

With 25 years' experience we breed and sell birds that win. We also breed the best quality of Pit Games.

B. R. SPAULDING,
JAFFREY N. H.



BULL-STRONG

The ordinary fence is not good enough. It takes something more than ordinary. **Our Duplex Automatic Machine** makes 100 varieties of fence at the rate of 60 rods per day. That brings the cost of a first class farm fence to only 18c. per rod. 19c. for poultry fence; 16c. for a rabbit-proof fence—excellent for

HORSE-HIGH

nurseries and orchards, and 12c. for a good hog fence. We sell you plain, coiled spring and barbed wire direct at wholesale prices. Don't buy wire or fencing until you get our free catalogue. We will save you money on all orders.

KITSELMAN BROS.
Box 15, Ridgeville, Ind.

PIG-TIGHT

MAGAZINES.

So-called "popular" magazines attract attention for a moment, divertingly, with their pictures and stories and little dabs at serious problems; but thoughtful readers return from these excursions into newly found byways all the more appreciative of the enduring value of such publications as Harper & Brothers give to the literary world. This great house did that which was wise in maintaining the price and improving the quality of their several publications. Harper's Magazine is the standard of the American magazines. It is to current literature what pure and wholesome bread is to the physical man.

Harper's Weekly is the best illustrated journal in the United States. Harper's Bazar is a model in its practical class of publications.

The Ladies' Home Journal commands the admiration of the women. Its success silences criticism, and its tone is unquestionably pure. The circulation of this monthly surpasses that of any other magazine in the country.

Scribner's Magazine is increasing its hold on the favor of the public and is making a special feature of political and social problems. Senator Hoar's papers on men he has known are entertaining.

A PECULIAR PREJUDICE.

Improvement in the poultry yard is to some farmers a subject that is as a red scarf to a mad bull. They simply go wild if you broach the theme.

"Bosh!" these stubborn men exclaim, "there isn't any money in chickens. The dang things are only a pest. Give us a man's business—give us hogs or beef-critters, horses or corn."

Perhaps they say less about horses now than they did a few years ago. But they cling to hogs and corn. That is "man's work." Fowls are only "women's work;" and these men are pretty sure to sneer when they say it.

Fortunately for the good of the nation, in relation to productive wealth, this old-time prejudice is being wiped out. The younger generation is coming on with its statistical proof. The results of practical education are beginning to appear.

Dr. Sanborn, in his excellent paper on "Prevention and Cure of Diseases" gives our readers an illustration in point. If fowls do not pay on every farm it is because the prejudice of the farmer stands in the way of his pecuniary success. He neglects or abuses his privileges and then blames his "bad luck."

There is not a farmer in this land but can increase his cash revenues from $300 to $500 a year by properly managing his flock of fowls. How many farmers are there who realize a net $300 from pork?

Writers for the poultry press must now express ideas. They must treat of the science and art of poultry breeding. With this proof of advance in the scale of intelligence amongst the general breeder, comes the conclusive evidence that the improvement is but the supplying of an imperative demand.

A SMALL POULTRY FARM is better than a gold mine, if you know how to run the business. "Poultry and Pigeon Raising" and "How to Make it Pay" will tell you how to do it. Only 25 cents. Address Edwin W. Fly, Manager Clear View Farm, Chalfont, Pa. 3-3

12 YEARS breeding S-c. Brown Leghorns. If you want to win in the show room and have the best layers on earth send me an order for eggs at $1 25 for 15, or 30 for $2. Stock at a bargain. Send for circular.

C. F. LANG, LaCrosse, Wis.

BUFF COCHINS,
(Oakland Farm Strain).
Plymouth Rocks,
(I. K. Felch Strain).

Prize winners now for sale. Stock mated to get exhibition birds. If you want satisfaction try me. Eggs $2 per 13. Write to-day to HORACE R. BURT, Austin, Texas.

D. F. TAYLOR,
"The White Rock Man."

Thirteen years a breeder of "The Empire Strain" of White Plymouth Rocks and White Wyandottes, the two best utility fowls. Winning more firsts and specials on these two varities than any breeder. Quality regulates prices. Show birds a specialty. No circulars. Eggs, $2 per 13; $5 to $8 per 100, according to season.

D. F. TAYLOR, DeRuyter, N. Y.

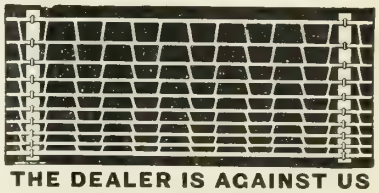
Mention this paper.

EVERGREENS

100, 6 to 8 in. $1; 12 to 18 in. $2.50. 100, 2 ft. $10 prepaid. 100, 4 to 6 ft. 5 varieties, $15. 45 choice Fruit trees, 20 varieties, $10. Ornamental & Fruit Trees. Catalogue and prices of 50 great bargain lots **SENT FREE.**
☞ **Good Local Agents Wanted.**

D. HILL, Evergreen Specialist, **Dundee, Ill.**

ARE YOU WITH US?



THE DEALER IS AGAINST US

because we sell you wire fence direct from the factory at wholesale prices.

The dealer does not give you a better fence than we do, but he charges you more for it. You can buy the

ADVANCE FENCE

direct from us just as cheap as the dealer can. That makes a saving that will amount to something nice. A postal card will bring you circulars and prices.

ADVANCE FENCE COMPANY,
5804 Old Street, Peoria, Ill.

Ouachita Valley Poultry Farm.

LARGEST IN THE SOUTH.

We have beyond any doubt the grandest lot of young birds ever raised for exhibition and breeding purposes. We never fail to win in the show room, winning last season over 287 prizes on our specialties.

Light Brahmas, C. I. Games,
Barred Plymouth Rocks,
Wild & Bronze Turkeys,
Buff Cochins, S. L. Wyandottes,
Brownie Pit Games,
Pekin Ducks.

Just a trial order will convince any one as to our square dealing and the high quality of our stock Guaranteed to please. Eggs $3. Stock from $2 up.

G. W. BROWN, Prop.,
Camden, Ark.

Send for a sample copy of the Cotton Belt Journal.

BUFF EGGS LEGHORNS. COCHINS. **WINNERS AT CHICAGO, '98**—Silver Special for 5 highest scoring B. Leghorns; '99, 1st pullet 95 Cochins—1st, 3d ckl. 93, 92, Columbus, O. —From Buff Leghorns, scoring 93 to 95½, Buff Cochins, 92 to 94½. $3 per 15; $5 per 30. Guarantee 8 to hatch.
RALPH H. MATHEW, Box 126, Sabina, Ohio.

8 Prizes at Chicago. B. P. Rocks, E. B. Thompson strain, that will not disappoint you. Eggs $2 per 15. 2d pullet at Chicago, '97, in this pen, others scoring 92 to 93½. S-c. White Leghorns—Wyckoff and Knapp. America's best layers. Eggs $1.50 per 15. B. B. Red Game Bantams—1st hen Chicago, '98, in this pen. Eggs $2 per 15. B. P. Rock incubator eggs $4 per 100. A few B. P. Rock cockerels, $2 up.
A. CHILCOTT, Homewood, Ill.

FOR SALE, BUFF P. Rocks, Leghorns and Wyandottes.
Also a fine lot of White P. Rocks, Single-comb White and Brown Leghorns and White Wyandottes at $1 and $2 each. Will please you or birds may be returned at my expense. Address
WALTER COX, 64 Grand ave., Washington, N. J.

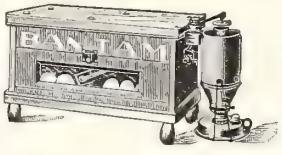
Buff Plymouth Rocks —Exclusively.
MY STRAIN is second to none. I yet have a few birds of excellent quality for sale at reasonable prices considering quality. Eggs from my best yards, which contain birds scoring to 94½ points, at $2.50 per sitting, or three sittings $6.
The stud Fox Terrier "Wyandot Spice," A. K. C. S. B. 50359, evenly marked, black and tan head, 20 months old, for sale, price $25.
J. L. YOHE, Carey, Ohio.

At the Chicago Show.
In 1899 I won 41 prizes, including the $75 Illinois State Silver Cup for the largest and best display of Land and Water Fowls.
In 1898 I won 39 prizes; also the $10 Special on the highest scoring exhibit. In 1897 I won 41 prizes, including the Grand Special on the largest and highest scoring exhibit at the show.
For the coming season I have mated 6 pens of Barred Plymouth Rocks, both Cockerel and pullet matings; each pen headed by a high scoring Cockerel. 3 pens White Plymouth Rocks. 2 pens Buff Plymouth Rocks, Silver Laced, Golden, Buff and White Wyandottes, Light and Dark Brahmas, Buff and Patridge Cochins, Black Langshans, Houdans, B. Minorcas, Black and White Polish, Buff and White Cochin Bantams, M. B. Turkeys, Toulouse Geese.
Satisfaction guaranteed. Write for Catalogue.
J. I. DeLANCEY, Elgin, Ill.

Barred Plymouth Rocks - Buff Cochin Bantams.
We won at Detroit more prizes than all other Cochin Bantam breeders combined. With 59 birds competing we were awarded 1st on cock. 1st and 4th on hen, 2d and 4th on cockerels, 2d, 3d, 4th on pullets and 1st on breeding pen; also all specials. Judge, Sharp Butterfield. We won at South Bend show every prize we competed for except one 2d, a bird we bred and sold; 41 birds competing; Tucker judge. At Logansport, Ind., with H. A. Bridge judge, we won 5 firsts, 2 seconds and 2 fourths in a warm class. Our Barred Rocks are very fine. Am offering eggs very low to introduce my stock. You will not be disappointed if you purchase of me. Price of eggs: Bantams, $2 for 15; Rocks, $1 for 13; $2 for 30. Good hatch or more eggs.
FREDERICK WILLIS, New Carlisle, Ind.

WHITE WYANDOTTES There is no better money making breed than this, ***both for egg and flesh production.*** My magnificent strain of this splendid breed is worthy the attention of intending buyers of fine poultry.
A FEW GOOD COCKERELS FOR SALE.
We have ***first prize cock*** at the Chicago show, being bred to pullets scoring 93 to 94½ points. ***Eggs for sale from this pen, $3.00 per setting.*** Others good, 92½ points, $2.00 per setting.
DANIEL PURNELL, Oak Park, Ill.

50-Egg Size $5 ***One Million Testimonials*** are not so convincing as the ***30 Days Trial Free***
We offer on every incubator we make. No matter how cheap. No regulator has ever approached in efficiency our Patent Pneumatic Regulator with which over heating is impossible. You may have chicks hatching every day in the week, with our Compartment Incubator. Among hundreds of others Mrs. M. T. Duval, Old Church, Va., never before saw an incubator, yet with our Bantam hatched 50 chicks from 50 eggs. You can do as well. Send 4 cents for No. 2 Catalogue.



BUCKEYE INCUBATOR CO., Springfield, Ohio.

...THE GREAT ESSENTIALS...
to successful hatching are **proper distribution and regulation of heat, fresh air and moisture.**
Petaluma Incubators
are as perfect egg hatching machines as have ever been invented. They are automatic in their working and require no special skill to operate. All the fertile eggs will hatch. We build a first-class machine, which we guarantee to give perfect satisfaction, and **pay the freight** anywhere in the U. S.. Send for free catalogue before you buy an incubator or brooder.
PETALUMA INCUBATOR CO.,
BOX 222, PETALUMA, CALIFORNIA.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WHY A WOMAN RAISES POULTRY.

She Engages in this Work for Pleasure and Profit—A Breezy Sketch.

I have made a success of poultry raising for the last four years—not a "howling" success, but a cackling, crowing success. I raise chicks both for pleasure and profit. Pleasure, because I think I was born with a love for every living, growing, moving plant and animal which God has created (except noxious weeds and vermin) and I certainly love to gather the beautiful creamy white eggs from the loft, the manger, the bush or the more practical but artificial nest in the hen coop, and I love to watch their evolution from the time "Old Biddy" takes them under her wing until first the candle shows there is a mysterious life therein, and later a cunning, fluffy, downy ball pecks its way into existence and announces its arrival by an energetic "peep!"

I raise them for profit, because I like to sell these same broilers at ten cents per pound, if I can get them into the market early enough; and later on to have my neighbors and friends, or others who desire them, take my choice young cockerels or my bonny pullets at prices according to their merit, profitable to me and reasonable to my customers.

In other words, I like to have my own spending money. The farmer's wife wants spending money as well as the farmer himself. And how does a man feel without a dollar in his pocket? And how does a woman feel who always has to go to the "Rooster of the Flock" for her pin money?

If I can make $10 or $15 a month, clean cash, besides having all the eggs and fried chicken I want for the table, why shouldn't I enjoy chicken-raising? Is there any other way in which a farmer's wife, with her own household to manage, can do as well with as little trouble? I think not. For example: In 1896 I raised five hundred chickens; in 1897, seven hundred. My neighbors say: "I don't see how you do it." Well, in the first place, I have a good chicken house, without which one might as well give up the business. A good chicken house should be light and warm, and should have movable nests and perches, and a concrete floor. The latter I consider of the highest importance. It is cheap and durable and can be easily cleaned out and swept, and the oftener the better. It affords no hiding place for the dreaded Acarina—the pest of the poultry house. Neither do rats burrow under nor through it.

I have no wonderful new secrets to tell you about chicken raising. I do not use an incubator. I have never tried one, although I have nothing to say against them. Let those who like them and succeed with them use them. No doubt they are good; but I stick to nature's own way, because I have done well at it and I believe in leaving well enough alone. My biddies hatch ten chicks to a sitting on the average. They take an immense amount of satisfaction in setting and, I believe, will lay again just as soon as if not allowed to do so. A "settin' hen" is a holy terror to the majority of women. They take their lives in their hands

(so to speak), approach the nest with caution and with a quick, dexterous movement seize the tail—the safe end—and jerk the monster from the nest. No wonder hens treated in such a way are flighty and vicious. A well bred, well treated hen is docile and tractable, fond of human kindness and company, and even proud to have her friends visit her nest and examine her eggs, and she need not become proverbially lean if plenty of food and water is placed within her reach.

A separate room should be kept for the setting hens, with a yard in connection if possible, from which the layers are shut out. When biddy wants to set, remove her to this room. Evening is the best time to do this. Cover her nest for one day, which, in most cases, will be sufficient. In nine cases out of ten, she will accept the change thankfully, as in the new quarters there are not outside causes of disturbance to nettle her. Set from six to ten hens at once, ten being the better. That gives one hundred chicks of the same age, which can be cared for by three or four hens and the rest, after being shut up for a day or two, will be ready for business once more, unless it is desirable to set them over again. This may be done, as a hen will set nine weeks on a white door knob, and be just as patient the ninth week as she was the first. I prefer, however, to set them only once.

After hatching, burn every nest where a hen has set; for an old nest is liable to hatch something besides chicks—something undesirable, numerous and hard to get rid of. Right here let me say that the very best way to be rid of mites is not to get them; and by cleanliness and constant watchfulness this may be done, and this is the only sure way to keep the flock healthy, and far better than a cholera medicine.

There are other enemies which the successful poultry raiser needs to guard against—four-footed marauders, walking forth in the night to catch the innocents under cover of darkness. A neighbor of mine had fifty chicks killed in one night by a weasel. Rats like chicks, too, as well as coons, foxes and 'possums; and last, but not least, the celebrated "Mephitis Chinga," beautiful to look upon, but beauty is not his distinguishing feature, and to those who know him, "distance lends enchantment to the view." He is not an in-no-scent. For these my remedy is a good dog—shepherd preferred.

I have not said anything about the variety of chickens most desirable. That I think a matter of choice. Any standard variety—such as Plymouth Rocks, Langshans, Leghorns or Light Brahmas—will do, only raise thoroughbreds, and take every opportunity to improve and purify your stock. I have no use for mongrels. My favorites are B. P. R. Handsome, good sized, gentle, and tractable; good layers; can't be beat for the table (or the minister) and the best in the world for market.

Come and see my chickens. I can tell you many facts, both interesting and useful, concerning them and their care, which in this brief paper I haven't time to touch upon.

Tiskilwa, Ill.

1885 —IF YOU WANT THE BEST— 1899

Bronze Turkeys, Barred P. Rocks, White Wyandottes, Buff P. Bantams and Embden Geese, write me for prices. I also breed prize-winning Oxford-Down Sheep. Mention A. P. J.

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SINGLE-COMB WHITE LEGHORNS, Klapp Bros. strain.

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Box 100. **GEORGE H. BIE, Station A, Racine, Wis.**

1000 Selected Birds.

BARRED & WHITE PLYMOUTH ROCKS,

Brown and White Leghorns,

LIGHT BRAHMAS, TOULOUSE GEESE,

PEKIN DUCKS, ROUEN DUCKS.

All farm-raised. Big fellows. Satisfaction guaranteed.

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Buff Rocks, Red Caps, Pit Games and B. B. R. Game Bantams.

Yard No. 1—Buff Rocks—Headed by a cock that has proven himself a breeder of clear buff birds, mated to pullets, winners of 1st, 2d and 3d at Cainsville show, '98. Eggs $3 per 13; $5 per 26.

Yard 2—Headed by cockerel winner of 2d at Cainsville show, mated to hens scoring 90½ to 92½. Eggs $2 per 13; $3 per 26.

Yard 3—Red Caps—Headed by a fine cock, mated to hens and pullets scoring 93 to 94½. Eggs $2 per 13; $3 per 26.

Yard 4—B. B. R. Game Bantams—Headed by winner at Illinois Poultry Show, '97, scoring 95¾, mated to hens scoring 95 to 96. Eggs $3 per 13.

Yards 5, 6, 7, 8 and 9—Pit Games—Eggs $2.50 per 13. Write for circular of stock.

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BARTLETTS'

WHITE PLYMOUTH ROCKS

WIN IN HOTTEST COMPETITION.

AT WICHITA, Dec., 1898.
1st and 3d Cockerel.
1st and 3d Pullet.
1st Cock and 1st Pen.
Many Specials.

Topeka State Show Jan. '99.
1st Pullet, score 95¼.
2d Pullet, score 95¼.
3d Pullet, score 95.
2d Cock and 2d Pen. 187⅝.
(No Hens Exhibited at Either Show.)

They are the . . . . .

Finest You Ever Saw.

Eggs from Prize Winners, $2.50 for 15.

DR. W. E. BARTLETT,
Belle Plaine, Kas.

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$1.50 for 13 or $2.50 for 26.

Imperial Pekin or Rouen Duck eggs, $1.50 for 11. Toulouse Geese eggs, $2.00 for 9. White Holland or Bronze Turkey Eggs, $2.00 for 9.

WE guarantee all eggs shipped by us to reach you in good condition, to breed true to name, to be fertile and 50 per cent. to hatch out live chicks, or we will duplicate the order at half price. Now is the time to order eggs, as chicks hatched in March, April or May, if properly taken care of, will be sufficiently matured to show at the Fairs this fall or the Poultry Shows this winter. Buy eggs, raise some ***thoroughbreds*** and introduce new blood in your flocks. It is cheaper and more satisfactory than paying long prices for matured birds. All letters of inquiry cheerfully answered and orders carefully filled by the

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P. O. Box, 333. **FREEPORT, ILLS.**

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

AMERICAN WHITE PLYMOUTH ROCK CLUB.

Editor American Poultry Journal—We believe that all true fanciers are interested, to some extent, in the success of each other, and we would like to say, through your columns, a few things in regard to the White Rock Club. Our membership list now contains the names of 281 breeders and admirers of the White Plymouth Rock. We are assured that we will turn the 300 mark within the next 30 days. We feel that while we are working directly for the interest of our favorites, we are also benefitting the industry in general and we are fast reaching the point where we can be of much help to the amateur, and be the means of increasing, to an appreciable extent, the interest in the rearing of Standard-bred fowls. The army of White Rock breeders has wonderfully increased during the past year and to all breeders of this variety we wish to say that the Club is much larger than any other Poultry Specialty Club in America, and it is also in better condition financially. This is why it is able to place the White Plymouth Rocks more prominently before the public and benefit its members more than any similar organization can do and it is also a very good reason why you should raise White Plymouth Rocks and join the Club. Its members are found in 36 states and Canada. It covers the territory from Maine to California and from Minnesota to Texas. It is only 12 months old and the results obtained in this period of time have never been duplicated, which fact is evidence that the Club is the right thing at the right time and that you should fall into line and share in the prosperity enjoyed by members. The most prominent poultrymen in the United States are identified with the Club. The list contains the names of editors, judges, lawyers, doctors, preachers, merchants, farmers and professional breeders and fanciers. You are earnestly invited to send in your application without delay. The membership fee is only $1. We also wish to distribute 1,000 more of our catalogues to breeders who have not yet received a copy. The book contains much valuable information and will be sent free to any address. Send your name on a postal card to the secretary and treasurer,

FRANK HECK,
New Albany, Ind.

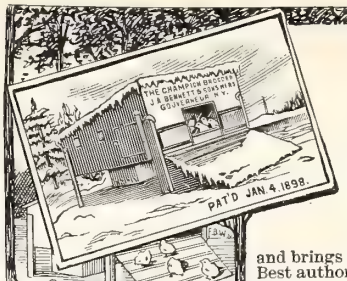
—o—

ELMIRA POULTRY ASSOCIATION.

Editor American Poultry Journal—Below find an account of our elections held February 24, 1899, at which the following officers were elected:

President, B. G. Smith; secretary, Judd H. Johnson; treasurer, F. L. Landon; first vice-president, C. E. Howell; second vice-president, H. E. Benedict; third vice-president, E. H. Mead; inspectors of election, S. H. Laney, W. R. Shappee and William P. Colvin. Directors, F. L. Landon, E. W. Andrews, C. E. Howell, H. E. Benedict, H. B. Batterson, B. G. Smith, A. S. Couch, C. M. Beadle, H. B. Sheeley, Max Wheadon, G. M. Diven 2nd, James McCann, Jr., and Judd H. Johnson.

JUDD H. JOHNSON.
Elmira, N. Y.



"Froze to Death

in that cold snap" has been the verdict on many a luckless brood of chicks. The fault was in the brooder. If they had been bred in

The $5.00 Champion Brooder

they would have come through all right.

"The Champion Is Known by Its Work"

and brings its brood successfully through, even in zero weather. Best authorities say it is perfect. Don't buy a brooder until you get our catalogue and endorsements.

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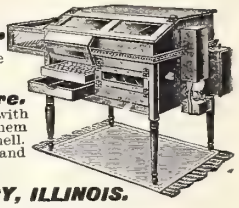
The Peerless Incubator

Hot Air or .....Hot Water machines, as you prefer, are **Perfect in the application of heat, ventilation and moisture.**



Either combined incubator and brooder or single machines. The only machine with a specially constructed **Nursery for Chicks under the Egg Tray.** Removes them from the intense heat and saves the tenderlings that have just come out of the shell. We also handle a **full line of Poultry Supplies** all bearing the standard brand "Peerless" Write for what you want. New Catalogue, 4c. in stamps. Better send for it at once.

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Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

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Stock for sale. Eggs for hatching in season. Some extra good W. P. Rock cockerels and a few cocks.

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Seven breeding yards for 1899 composed of prize winning males and females. Male's score 91 to 93. Females 90 to 94½ by Shellaburger, Snyder and Pierce. 50 cockerels and 75 pullets. Good breeders for sale. Cards by authorized judges. New illustrated circular ready February 1st. Get one before placing your egg orders; free if you mention A. P. J. Satisfaction guaranteed.

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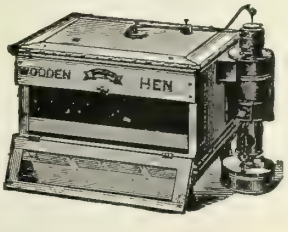

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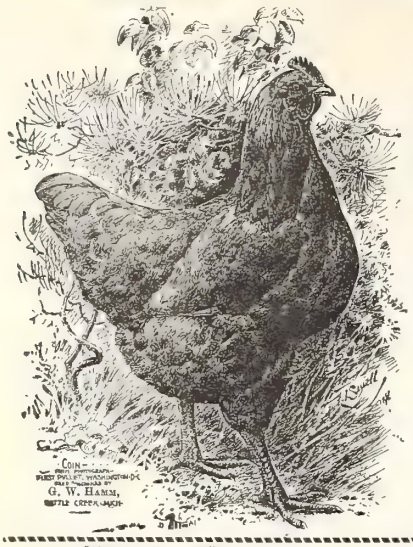

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At the great Chicago show, Jan. 25-29, '98: All the first prizes awarded but one; 2 seconds, 2 thirds, 1 fourth and 1 fifth; the Association's $15 silver cup for best 10 birds; the Buff Plymouth Rock Club's $25 silver cup for the best cock, cockerel, hen, pullet and pen; specials for best pair, best five males, best cock, hen, pullet and best exhibit.

EGGS **$3, $4 and $5 per Sitting.**

Write for circular and further information regarding

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1st Prize Pullet at New York.

The "Ringlets" Soar Still Higher.

At NEW YORK, FEBRUARY, 1898,

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has never been approached in Madison Square Garden, and stands **alone** and **unequalled.** The record of both **1st and 2d prizes** on breeding pen was also **phenomenal.**

At **Madison Square Garden, 1895, 1896 and 1897,** my Barred P. Rocks won nearly **three times** as many 1st prizes as any other exhibitor and **more 1st prizes** than all competitors combined.

400 Grand Breeding Cockerels For Sale. **Also Elegant Pullets in any number.** ***Eggs from finest exhibition matings, one sittin $5, two sittings $9, three sittings $12.*** Richly illustrated catalogue on application. Address

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A clean sweep at Indianapolis great show—1st on young tom; 1st, 2d and 3d on hen; 1st, 2d and 3d on pullet; 1st on pen and special prize for best display.

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EGGS $5 per 13. No reduction for quantity. These are all from fine exhibition matings. Write at once before they are all gone. B. P. Rock eggs $1.50 per 15; $2.50 per 30; $8 per 100.

INCUBATOR EGGS FROM THOROUGHBRED B. P. ROCKS (not penned) **$5 per 100; $9 per 200.**

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Send at once for Free Illustrated Catalogue of Turkeys, Chickens, Ducks and Poultry Supplies.

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ARE YOU LOOKING FOR **BUFF PLYMOUTH ROCKS**

with that desirable GOLDEN BUFF COLOR THROUGHOUT, including UNDERCOLOR,

That are good size, and at same time have good combs, and **ENTIRE ABSENCE** of the worst features in the average Buff of to-day—white in plumage and feathered legs? If so, I can furnish you. I have mated several very choice yards for this season, mated for utility as well as show purposes, **EXCELLING ALL PREVIOUS MATINGS.**

Eggs $2 per 13; $5 per 40.

My Buffs have farm range, and **EGGS ARE GUARANTEED TO HATCH.** A few medium grade birds yet for sale, low.

Write for beautiful circular in colors; its free. Money Order and Express Office, Rome, N. Y.

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You Will Find It on Page 215. Don't Miss It.

Vol. 30. *May, 1899.* *No. 5.*

MAY 1 1899
U. S. Department of Agriculture.

AMERICAN POULTRY JOURNAL

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Light Brahmas,

Exclusively.

Farm raised. Bred for utility. The season of 1898 males were from Challenge strain direct, a noted utility strain. This season's males are from Hartnest strain direct, also a noted utility strain. Eggs, 1 sitting $2; 2 sittings $3.

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Golden Wyandotte Cockerels.

I have a few Golden Wyandotte cockerels scoring from 90 to 94 points by Bridge, for sale.

Also eggs from pen headed by first prize cockerel at Detroit, scoring 94 by Bridge. Price $3 for 13.

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Brown-egg White Wyandottes have a record of over 200 eggs in a year. Yard No. 1—10 choice pullets, Hunter strain, mated to a "Stay White" Duston cockerel. Yard No. 2—10 choice pullets mated to an 8-lb. Hunter cockerel. Also breed S c. W. Leghorns, Wyckoff strain. Eggs, 15 $1.50; 45 $3; 100 $5.

F. R. SIMMONS, Casstown, Miami Co., O.

Poultry Yards of U. G. McAdam,

Wenona, Illinois,

Breeder and shipper of the following:

Light Brahmas, Buff Cochins, Barred Plymouth Rocks, S. L. Wyandottes, White and Golden Wyandottes, Black Minorcas, Silver Spangled Hamburgs, R-c. W., R-c. B. and S-c. B. Leghorns, Buff Turkeys. Eggs in season.

Houdans, Wh. Wyandottes,

PEKIN DUCKS.

Bred for utility and beauty. Exhibition and breeding stock for sale. **Price low for Quality.**

Eggs $1 per 13; Duck eggs $1 per 12, $6 per 100. No discount. ***MRS. G. A. NORRIS,***

Lebanon, Maine.

Huff's Light Brahmas

Barred Plymouth Rocks:

S-c. Br. Leghorns and Blk. Minorcas

have a record hard to beat—14 firsts and 8 second prizes on 22 entries. Also White Ply. Rocks, S-c. White Leghorns and fine Imperial Pekin Ducks. Eggs from mammoth Light Brahmas $1.50 per 13; other varieties $1 per 13; Pekin Ducks $1 per 11. Send for my circular or order direct from my ad. My stock will please you. Satisfaction guaranteed.

C. B. HUFF, Delaware, N. J.

CUT PRICES.

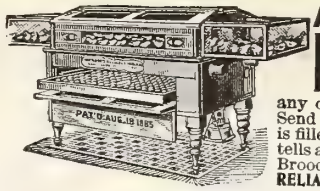
As an inducement to secure new customers I will sell Eggs this spring at half price as follows:

	Per Sitting		Per Sitting
Buff P. Rocks	13 1.00	Blk. Langshans	13 1.00
Barred P. Rocks	13 1.00	Houdans	13 1.00
White P. Rocks	13 1.00	Buff Leghorns	13 1.00
Light Brahmas	13 1.00	S-c.W. Leghorns	13 1.00
Buff Wyandottes	13 1.00	R-c.W.Leghorns	13 1.00
Silver Wyand'ts	13 1.00	Black Minorcas	13 1.00
Golden Wyand'ts	13 1.00	Im.Pekin Ducks	11 1.00
White Wyand'ts	13 1.00	C. I. Games	13 1.00
Buff Orpingtons	13 2.00	Buff I. Games	13 2.00
Buff Cochins	13 1.00	Buff Brahmas	13 2.00

All the above eggs at $6 per 100, except Orpingtons $15 per 100, Buff Indian Games $10 per 100.

Have had 29 years' experience, and now have one of the best arranged poultry plants in America and can fill large orders on short notice from high scoring birds, part of them imported. I feel confident I can please all who favor me with an order. Catalogue free.

LEWIS C. BEATTY,
Box 76. Washington, N. J.



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any one can make a success of poultry raising. Send 10 cents for 228-page Poultry Catalogue. It is filled with valuable pointers and illustrations. It tells all about our famous Reliable Incubators and Brooders. We sell poultry supplies of all kinds too.

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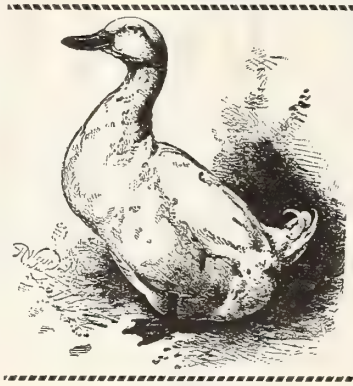


Pekin Ducks.

2,900 Breeders.

Eggs, 15 per $1.00; 50 per $3.00; 100 per $5.00 1,000 per $40.00.

African Geese Eggs 15 per $4.

"SUPERIOR" WHITE LIMESTONE GRIT,

100 lbs. 75c; ton $7. Cut Clover Hay, 50 lbs. 75c.

GEO. M. FISH,

Fairacres Farm, Joliet, Ill.

NOW IS THE TIME

TO BUY

EGGS FOR HATCHING

FROM

Brown and White Leghorns, $2 per 15, for Winter Layers.
White Wyandottes, (Score 93-95 by Emry) Reduced to $2 per 15.
B. P. Rocks, - - - Reduced to $2 per 15.
B. B. R. Games, Headed by "Redwing," 1st Chicago, '99. Also "Iroquois," 1st Cedar Rapids, '99, $3 per 15.

Satisfaction guaranteed.

F. E. DeMUTH, Wheaton, Ill.

EGGS DAMON STRAIN S-C. BROWN LEGHORNS. EGGS

PEN 1—Headed by 1st cock, Chicago and Danville, '98, score 94, and containing 1st hen, Chicago, and 3d (tied 2d) pullet, West Liberty, Ia. **EGGS** $3 per 13; $5 per 26.

PEN 2—Headed by 2d cock, Chicago, '99, score 93½, with mates strong in color and size. **EGGS** $2 per 13; $3.50 per 26.

PEN 3—Headed by cockerel, score 92½ at Chicago, '99. **EGGS** $1 per 13; $1.75 per 26.

A Few Good Breeding Cockerels Dirt Cheap—$2, $2.50, $3 each.

1899—Descriptive Circular Free—1899.

EGGS C. M. DAVIDSON, 3430 West 64th st., Chicago Lawn, Ill. EGGS

State Line Poultry Yards.

Eggs for $1.25 per sitting.

From White and Barred Rocks, White and Silver Wyandottes, Rose-Comb Brown Leghorns, Black Langshans, Partridge Cochins, Light Brahmas and Pekin Ducks. **No Circular. Duroc Jersey Swine.** Breeding Pens scoring from 92½ to 94 points. Farm raised.

J. T. THARP, Mt. Sterling, Ia.

Indian Runner Ducks.

Wonderfully Prolific.

Are rapid and easy growers. Handsome in appearance. Eggs and stock for sale. Write us.

R. B. & C. H. DAYTON, Box 8, Remsenburg, N. Y.

LIGHT BRAHMAS.

The Gems of the West.

Winners at the Great Chicago Shows of '97, '98, '99, See show report

Some fine breeding stock for sale. A special sale of cocks and cockerels. 21 years a breeder of Light Brahmas. Eggs this year only $3 per 13; $5 per 26. A tri-colored Collie female for sale at $10; 9 months old; from trained parents.

ALFRED DOYLE, Box 41, Morgan Park, Ill.

SILVER CREEK POULTRY RANCH,
LOCKPORT, ILLS.

Imperial Pekin Ducks of the finest strains. Selected breeders at $1 each. Eggs for hatching, 15 for $1; 100 for $4, 1000 for $36.

S. C. White Leghorn eggs, 100 for $6. Limestone Grit, 100 lbs., 50c.

1890——●——1899

Black Minorcas
13—**$1.50 EGGS $1.50**—13
Replaced at Half Price if less than 7 hatch.
Absolute Satisfaction Guaranteed.
H. H. WALLIS, - Delavan, Wis.
1890——●——1899

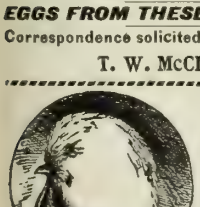
Silver Laced Wyandottes.
A few good cockerels and pullets from prize winners yet for sale. I am mating for my first yard this season a 93 point cock, scored by Pierce, with females ranging in scores from 92 to 94½. Second yard a 91½ point ckl. with females each with a score of 90 or better. Eggs from first yard $2 per 13; second, $1.25 per sitting. Write. W. L. Mills, Clear Creek, Ill.

BUFF
Cochin Bantams.
That are winners. Bred in line from winners.
No Eggs. ***CLARENCE HENDERSON,***
Springfield, Ohio.

H. H. Fike, Morgan Park, Ill.,
——BREEDER——
White Wyandottes, Black Langshans.
Strong, vigorous birds from leading strains mated for utility and eggs.
EGGS FOR HATCHING,
15, $1.50; 30, $2.25. Larger orders a matter of correspondence. No trouble to answer letters.

Light Brahmas, White Ply Rocks,
Black Minorcas.
My White Rocks won 1st on cockerel, 1st, 2d and 3d on pullets, at the Iowa Falls show. My Brahmas and Minorcas are good ones too. Eggs that will hatch, $1.50 per sitting.
T. P. EBERSOLE, Manson, Iowa.

Barred Plymouth Rocks.
Four Great Matings, headed by Prize Winning Cockerels.
EGGS FROM THESE YARDS, $2 for 15.
Correspondence solicited.
T. W. McCLURE, Carey, Ohio.



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....OF....
R. C. Brown Leghorns and Polish
have a standing record east and west. Send for picture book and description. ***Eggs, $2.***
S. G. ALLURED,
IONIA, MICH.

HEY THERE!
Do you raise
FRUIT, CHICKENS & EGGS?
Do you
Spray and ***Whitewash?***
The "Ideal" *Sprayer* and *Whitewasher* will do the work. A machine well made and bound to please. Write for special price.
FRANKEBERGER & PAULE,
Box 300. **Mansfield, Ohio.**

PURE WHITE WYANDOTTES from Clarevista Fruit Farm, Covert, Mich. Prize winners at Kalamazoo Poultry Show, Sharp Butterfield, judge; also at Dowagiac. Fine cockerels $2, $3, $5. $10. Eggs in season at $1.50 for 13; $3 for 30.

WH. WYANDOTTES.
Our Prize Winners.
Do you want something fine for breeding or the show room? We have them, and at right prices. Eggs in season at $2 per 15.
FRED KEITH & SON,
Lansing, Mich.

FINE POULTRY--PEKIN DUCKS.
20 VARIETIES—FIRST-CLASS THOROUGHBRED STOCK.
Eggs for hatching $1 per sitting. Satisfaction guaranteed,
WILLARD MERRIAM, Kansas City, Kan.

Lincoln Park Poultry Yards,
GORDON L. REILLY, Proprietor.
WHITE PLYMOUTH ROCKS.
I have choice breeding stock, young and old, for sale with score cards. Egg Orders booked now. Write for prices and description. Address
GORDON L. REILLY, 28 Jackson st., Danville, Ill.

E. H. EPPERSON, Champaign, Illinois
BREEDS AND SELLS
Exhibition Barred and White Ply. Rocks, and Mammoth Bronze Turkeys.
At Paxton, Ill., show, Nov. 29 to Dec. 2, '98 I won 6 regular and 5 special premiums; 1 special of a $25 Poland-China pig for best pen of Barred Rocks on Exhibition; 1 special for 10 highest scoring B. P. Rocks in show, 110 B. P Rocks on exhibition. B. N. Pierce, judge.
EGGS, $2.50 PER 13; $5 PER 30.
No more stock for sale until Nov. 1, '99. Satisfaction guaranteed. Farm raised; free range. Reference, Champaign National Bank, by permission. Mention American Poultry Journal.

DUTCHESS COUNTY POULTRY FARM,
- - - RHINEBECK, N. Y. - - -
Mammoth Pekin Ducks,
- - Exclusively. - -
Eggs for Hatching by the Sitting, 100, or 1,000, from choice selected stock. Satisfaction fully guaranteed. Write your wants and they will be cheerfully answered.
Address ***GEO. H. FRITH, Mgr.***

BARTLETTS'
WHITE PLYMOUTH ROCKS
WIN IN HOTTEST COMPETITION.
AT WICHITA, Dec., 1898.
1st and 3d Cockerel.
1st and 3d Pullet.
1st Cock and 1st Pen.
Many Specials.

Topeka State Show Jan. '99.
1st Pullet, score 95¼.
2d Pullet, score 95¼.
3d Pullet, score 95.
2d Cock and 2d Pen, 187⅝.
(No Hens Exhibited at Either Show.)

They are the . . . . .
Finest You Ever Saw.
Eggs from Prize Winners, $2.50 for 15.
DR. W. E. BARTLETT,
Belle Plaine, Kas:
I prepay express on all egg orders after May 1st, '99.

HERE IS QUALITY FOR YOU.
At the great CHICAGO SHOW Jan. '99 I won more prizes in proportion to the number of birds entered than any other White Rock exhibitor. My two pullets that tied for first and won second and third were the two highest scoring birds in the White Plymouth Rock Class of 104 birds, the cream of the Country.

HECK'S CUSTOMERS
will get eggs this season from a pen headed by a 95½ point male bird and mated to females scoring from 94 to 96½ points by Felch at New Albany, Ind., and Russell at Chicago.
Drop me a few lines about that egg order. I would like to argue the matter with you. It is to your advantage as well as mine.
FRANK HECK, Box 12, New Albany, Ind.
Sec'y-Treas. Am. W. P. Rock Club.

Mammoth Bronze Turkeys.
Three grand matings. Fine markings, big bone and heavy weight. Eggs 20c each

Lt. Brahmas and Partridge Cochins
Scoring 92 to 95.
Eggs $1.50 for 13; $3 for 30. Write for full particulars.

W. T. & S. J. SAYLER,
New Market, Ind.

Black Langshans, Light Brahmas.

For the balance of the season we will sell eggs from our best matings for $1 and $2 per sitting.

KIRKPATRICK & GUNDLACK,
P. O. Box 326, Lincoln, Ill.

EGGS FOR HATCHING

White Indian Games, Wh. Crested Blk Polish, White Wyandottes, Barred Plymouth Rocks.
Winners wherever shown. Send for prices.
Orr's Clear Grit, Crushed Oyster Shells, Clover Meal, Cut Clover and Meat Meal. Send for prices. **Provident Food**, for chicks, (sample pkg. 10c) the best food for chicks now on the market. Saves hundreds annually. Send for prices. D. LINCOLN ORR,
Box 3, Orr's Mills, N. Y.

EGGS—Barred P. Rocks, Pekin Ducks.

Eggs from choicest matings for sale. Barred Rock, $2 per 15; $3.50 per 30; $5 per 50. Duck eggs $1 per 12; $3 per 50; $5 per 100. Write for catalogue of stock.

H. P. THOMAS, So. Charleston, Ohio.

YOU are losing valuable time by not ordering a sitting or two of eggs from my extra fancy

Golden Wyandottes
—OR—
Partridge Cochins.

They will bring you winners at the shows this fall and winter—$3 per sitting; two sittings for $5 for this month.

H. A. TOWNE, Sac City, Iowa.

Buff Plymouth Rocks and Buff Cochins.

THEY ARE UP TO DATE.

Winners at New Albany, Ind., and Louisville, Ky., Jan., 1899. Two grand pens each. Eggs $2 per 15. Correspondence a pleasure. **J. C. BROWN,** Lock Box 17, **Campbellsburg, Ind.**

Get Them from Williams,

My **White Wyandottes** are all right and so are my prices. At the Southern Indiana Poultry Show in a class of over 40 birds I won 5 prizes on 7 entries. 1st hen, 2d cock, 2d pen, 3d cockerel and 3d hen. Eggs $2.00 per sitting. Write me.

THOS. L. WILLIAMS, 118 Willard Ave., New Albany, Ind.

WHITE SILVER WYANDOTTES

Exclusively and PEKIN DUCKS.

Eggs—$1.50 for 13—Low Price, High Grade, Duck eggs $1 for 11; $7 per hundred. Sixty acres free range. First prize Lancashire S. W. cockerel, imported by Butterfield and recommended by him. 25 Wyandottes from Detroit show, 1st S. W. pullet; 2d W. W. cockerel. In splendid shape.

TAYLOR & HILL, RAPID RUN POULTRY FARM, Station F., Cincinnati, Ohio.

BARRED PLYMOUTH ROCKS, Bradley Bros., E. B. Thompson, J. H. Thompson and A. C. Hawkins strains.
SINGLE-COMB BROWN LEGHORNS, Forsyth, Howell and Bright strains.
SINGLE-COMB WHITE LEGHORNS, Knapp Bros. strain.

I have a grand lot of youngsters for sale. Also some of last season's breeders, bath males and females. I you want a fine male, pair or pen, write me. I guarantee satisfaction.

Box 100. GEORGE H. BIE, Station A, Racine, Wis.

Buff Rocks, Red Caps, Pit Games and B. B. R. Game Bantams.

Yard No. 1—Buff Rocks—Headed by a cock that has proven himself a breeder of clear buff birds, mated to pullets, winners of 1st, 2d and 3d at Cainsville show, '98. Eggs $3 per 13; $5 per 26.
Yard 2—Headed by cockerel winner of 2d at Cainsville show, mated to hens scoring 90½ to 92½. Eggs $2 per 13; $3 per 26.
Yard 3—Red Caps—Headed by a fine cock, mated to hens and pullets scoring 93 to 94½. Eggs $2 per 13; $3 per 26.
Yard 4—B. B. R. Game Bantams—Headed by winner at Illinois Poultry Show, '97, scoring 95¾, mated to hens scoring 95 to 96. Eggs $3 per 13.
Yards 5, 6, 7, 8 and 9—Pit Games—Eggs $2.50 per 13. Write for circular of stock.

SIGLER & LAYTON, Box 171, Leon, Iowa.

WHITE PLYMOUTH ROCKS THAT WIN.

Not How Many, But HOW GOOD.

Big winners at **CHICAGO** and **INDIANAPOLIS** for four years. More high scores than any of them and **LOWEST PRICES.** Stock large, white, and prolific layers. See my large ad in April JOURNAL, pages 208 and 217.

R. M. GARD, Box A., Frankfort, Ind.

The Yards are full of Chickens wherever is used a

Cyphers Incubator

And wherever are used the

Cyphers Brooders.

These chicks, hatched strong, will **stay strong and do well.**
The stay-strong and do-well Chicks **are the ones that pay.**

SPECIAL NOTICE: Have you, dear reader, received a copy of our large sized, fully illustrated 136 page **Catalogue and Poultryman's Guide** for 1899? If not, send 10 cents to-day in silver or stamps and get one. It is positively worth **Dollars** to anyone who is interested in hatching and raising chickens, ducks, turkeys or geese by the use of scientifically constructed Incubators and Brooders. Many pages of expert, reliable advice on poultry keeping for profit, with latest designs for incubator cellar, brooding houses, laying houses, etc., and full instructions on feeding and general care. All correspondence promptly and cheerfully answered.

The Cyphers Incubator Co.,
Box 2, Wayland, New York.

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Buff Cochins.

Shown at Chicago in '98, and won. Our first prize pullet said by several Cochin men to be the finest ever seen. Did not show this year, but furnished winners for shows east and west, including Chicago. Birds finer than ever. Some for sale. A few eggs for sale at only $4.00 per 13.

G. L. M. Atkinson of Denver, Colorado, also has fine Buff Cochins.

REV. E. W. RANKIN, Manitowoc, Wis.

THE THREE ESSENTIALS.

"There are three things essential to raising good poultry: AMERICAN POULTRYJOURNAL, RELIABLE POULTRY JOURNAL and FARM-POULTRY. I would not miss a single issue. "GEORGE REEDER, Louisa, Ky.

The Three Grand Representatives of Modern Ideas in Poultrydom, ... For **$1.25**

American Poultry Journal, . .	.50.
Reliable Poultry Journal, . . .	.50.
Farm-Poultry (semi-monthly) .	$1.00.
(Regular Price)	$2.00.

All three one full year for only $1.25 a year.

Address AMERICAN POULTRY JOURNAL, 325 Dearborn street, Chicago, Ill.

Do You Want the Best?

Can spare a few sittings of eggs from two choice pens of

Barred Plymouth Rocks,

containing all our prize winners. Have shown pullets scoring to 93½ and cockerels to 93. Eggs $2.50 per 13; $5 per 30. A good hatch guaranteed.

MYER BROS., Malden, Ill.

BROWN LEGHORNS

Are sure to Win

WHEN FROM

BRATTAIN'S EXCLUSIVE YARDS.

Eggs from our Indinapolis and Oxford winners $2 per 15 or $3.50 for 30.

I claim the highest scoring pen of the season, 189¼ under Pierce. Not a bird in my breeding yards scoring under 94.

E. C. BRATTAIN,
Brown Leghorn Specialist,
Connersville, Ind.

Two For $1

We will send

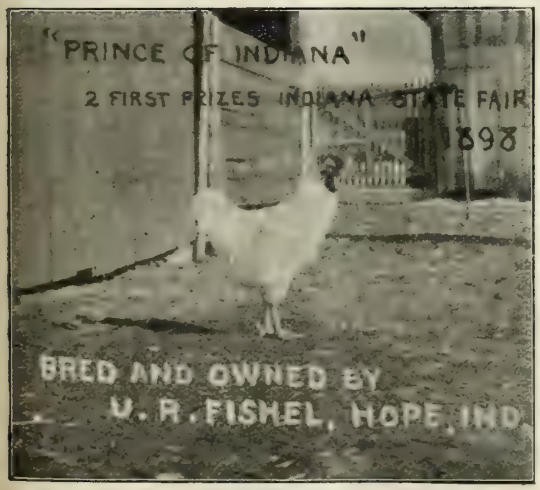
Farm-Poultry
and
American Poultry Journal,

both one year for $1. The regular price of American Poultry Journal is 50 cents and Farm-Poultry $1 and you save money by sending us your subscription.

American Poultry Journal,
Chicago,
Ill.
U. S. A.

EGGS FOR HATCHING.

FISHEL'S WHITE PLYMOUTH ROCKS.



MATINGS FOR 1899.

YARD A.—Prize cock "White Prince," score 95½, winner 1st prize cockerel and 1st prize in pen at Indianapolis, '97; winner 1st prize as cock at Indiana State Fair, '98. Pronounced by every one to be one of the best, if not THE best, cock bird they have ever seen. I have mated him to 2d prize pullet, Indiana State Fair, '98, score 95, and six other pullets scoring 95, 96½, 95, 94½, 96 and 95.

YARD B.—Prize cockerel "Tattersall," winner of 3d prize at Great Chicago Show, 1899, and 2d prize at Indiana State Fair, '98, mated to 1st prize hen Indiana State Fair, the grand hen, "Perfection," score 96½, and five other hens scoring from 94 to 95 points.

YARD C.—At the head of this yard is "Chicago King," winner of first prize as cockerel and first prize in pen, as well as the American White Plymouth Rock Club cup, at the Great Chicago Show, 1899. Mated to him are hen, "Mamie," score 96 by Pierce, 4th prize pullet at Indianapolis, '97, score 95, 1st prize hen at Great St. Louis Fair, '98, also 1st prize hen at Illinois State Fair, '98, and five other hens scoring from 94½ to 95½.

YARD D.—Prize cockerel, "Chicago Boy," winner 2d prize as cockerel at the Great Chicago Show, '99. This bird is pure white, with good low comb, rich bay eye and is true Rock shape. I have mated to him the two prize pullets in 1st prize pen Indiana State Fair, '98, score 95 and 95½; also four hens. winners 3d prize pen, Indianapolis, '97, and one hen, winner 1st prize, Creston, Ia., '97, score 95½.

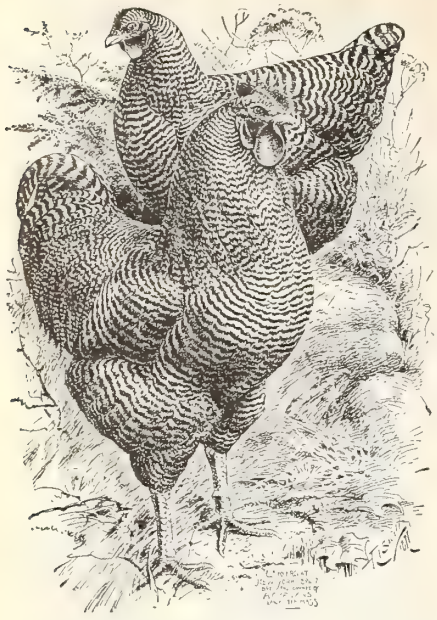
YARD E.—Prize cockerel, "Prince of Indiana," winner 1st prize as cockerel and 1si prize in pen at Indiana State Fair, '98. He is a bird that could win anywhere. I have mated to him the four prize hens, winners of 1st prize as pen at the Great Chicago Show, 1899, and 1st prize hen at Ottumwa, Iowa, '96, score 95½ 2d prize hen, Creston, Ia., '97, score 94, and two pullets, score 95 and 95½ by Pierce

A RECORD UNEQUALLED BY ANY WHITE PLYMOUTH ROCK BREEDER IN THE WORLD.—At the Great National Show, Chicago, Ill., January, 1899, in competition with the Cream of the Country, my birds won **First Prize Cockerel, Second Prize Cockerel, Third Prize Cockerel, First Prize Breeding Pen and the American White Plymouth Rock Club Cup,** the five most coveted prizes offered.

At Indiana State Fair, September, 1898, in competition with 109 White Plymouth Rocks, the best to be had, my birds won first prize on cock, first prize on hen, first prize on cockerel, first prize on pen, second prize on Pullet and second prize on cockerel.

I do not care to advertise my winnings of previous years, as I want to show that my matings prove successful and that I show only where I will be in competition with the choicest and best. A win in such company proves to all that Fishel's White Plymouth Rocks are **THE BEST IN THE WORLD.**

Eggs, $5 per 15. Circular free. U. R. FISHEL, Box A, Hope, Ind.



Winners at New York, 1897, from life.

HAWKINS'

ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER AND WHITE.

EGGS FROM PRIZE MATINGS.
1 Sitting, $5. 3 Sittings, $10.
2 Sittings, $8. 5 Sittings, $15.
Per 100, $20.00.

Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1899 are the best I ever owned.

At the Great National Show, WASHINGTON, D.C., in **hot competition** with over **300 birds** of these varieties, the best that could be found regardless of price, I won **45 Regular and Special Prizes** on **39 Entries**, including **First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show** (Bantams excluded), and this on my **First Prize Barred P. Rock Cockerel.** My winning White Wyandotte cock was pronounced by the judges to be the **best they had ever seen.** I won twice as many first prizes as **all other exhibitors** of these varieties. My **BUFF ROCKS,** at **BOSTON,** 1899, in hot competition, won **more first and special prizes than all others.** My customers are winning all over the country. If you want the **BEST,** write me. Hundreds of **Choice Exhibition** and **Breeding Birds** at **honest prices.** Catalogue of America's finest **Plymouth Rocks** and **Wyandottes free.**

A. C. HAWKINS, Lock Box 25, Lancaster, Mass.

1st Prize Buff Leghorn cock, New York, '98.

Buff Leghorns, • *Champions of the East.* •

AGAIN AT NEW YORK my Buffs were awarded 1st on breeding pen—this is the third consecutive year I have won 1st on breeding pen at the great New York show. I also won at last New York, 1st cock, 2d cockerel, 2d and 3d hens, 1st and 2d pullets and the American Leghorn Club cup for best exhibit.

S-c. White Leghorns.

Every White Leghorn in my yards is either a New York prize winner or bred from New York prize winners. This year I won at the great New York show, 1st on breeding pen, 1st on cock, 1st on cockerel and the American Leghorn Club cup for best exhibit.

EGGS for hatching from New York winners. Catalogue free.

EZRA CORNELL, Ithaca, N. Y.

CLARKE'S FAMOUS
TRANS-ATLANTICS.
Have Fought under Four Flags
And Never Met their Equals Yet
Write for circular. Mention this paper.
H. P. CLARKE, Indianapolis, Ind.

PARTRIDGE WYANDOTTES, ONLY.

Eggs from two yards of well marked birds, mated by E. O. Thiem, the originator, for best results, only $2 for 13. White Fantail Pigeons for sale.

R. KNAUL, Denison, Iowa.

BUFF WYANDOTTES,

EXCLUSIVELY.

The popular strains of Buff Wyandottes formerly bred by B. H. Smith will be continued at the same yards. Our cocks and cockerels took first prizes at Detroit and Chicago shows this year. Eggs in season.

B. H. & M. H. SMITH, Coldwater, Mich.

PARAGON LANGSHANS.

A Few Choice Birds For Sale.

Eggs $5 for 15. Satisfaction Guaranteed.

HUNT BROS.,
Greenwood, Ill.

The Daisy and Crown
BONE CUTTERS.
-(Best in the World.)-
The $5.00
Hand Bone, Shell and Corn Mill.
THE GEM CLOVER CUTTER.
Send for circulars and testimonials.
WILSON BROS., Easton, Pa.

STEINMESCH STRAIN

SILVER WYANDOTTES.

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CHICAGO SHOW, 1899, ***2d Pullet, Score 94.***

CEDAR RAPIDS SHOW, 1899, ***2d Pullet, Score 95.***

Pen Headed by 2d COCKEREL, Chicago, 1899.

CONTAINS IN ADDITION TO ABOVE: 1st pullet, West Liberty, Iowa, Score 94½.
3d pullet, Chicago, Score 94,
Two 5th (tie) pullets, Chicago, 93½, 93½.

Don't you think these ought to hatch **WINNNERS?** ***Eggs $2 per 13.***

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American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

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Cochins and Cochin Bantams.

PARTRIDGE COCHINS DESCRIBED.

Elaborate Consideration of their Shape, Color and Markings—Methods of Mating for Results—How to Breed this Massive Fowl for Best Effects.

Written expressly for AMERICAN POULTRY JOURNAL by T. F. McGrew, 1267 Broadway, New York City.

The quiet, settled ways of twenty years ago will not satisfy the people of today. Onward and upward is the cry; improvement is the order of the hour. One very smart personage claims to be able to produce gold from silver at a profit. The chemist of Columbia College is credited with having manufactured a diamond in the presence of his students in the laboratory; another has gone to the bake shop to produce bread from finely ground saw dust and middlings. While these exploits have not, so far, aided mankind, it shows the bent of the times.

Cochins of twenty years ago are not Cochins of today. The old style of Brahma-shaped Cochins will not pass muster under the keen eye of a well informed Cochin expert. As we, of this country, go to Paris for our most modern styles, so must the whole world come to Boston to see the real thing in modern Cochins. Speaking as one who has seen the best of both this country and England, I am fully persuaded that the real Cochin quality for four years past has gone to the Boston show. By this we refer to all four varieties, and speak only of high Cochin qualities in the sense of modern finish as to Cochin form. While many fine specimens can be found all over the country, nowhere outside of Boston can so many hundred really fine specimens be seen at one time. In this connection, it is proper to mention the fact that many, many really meritorious specimens of more than ordinary qualities stand among the unnoticed, one factor in show parlance which should have consideration.

In speaking of Partridge Cochins, one must first fully understand that all varieties of Cochins should have the same accepted shape. It is useless to say that other varieties do not have the breed formation of equal quality as found in the Buff variety. The only answer to this problem is, they should have, and the only reason they do not have is, that under the system of color over shape, specimens of inferior shape have won on color. Do not for one moment consider that I undervalue good color; no one can think more of perfection in color than I, but, at the same time, it is only a variety distinction. A beautifully colored Brahma-shaped female of most delicate pencilling is not a Cochin of any variety. Why not call a goat with long white hair a sheep, or a young fawn a Jersey calf simply for color sake? These illustrations in words may be overdrawn, but they help to make plain our meaning.

In forming a standard for any breed the point of most importance is, a perfect description of shape so presented as to distinguish the breed under consideration from all others. If the formation of the breed has not character enough of its own to permit of a description that differs from others, it is not a separate breed and should be a sub-variety of some other breed. Just so with our Cochins. If we intend to award prizes to Brahmas with Cochin color and comb, why not discard one description or the other, and make the whole Asiatic family muster under one shape description? It is high time that all who have an interest in any particular breed should demand that true breed characteristics should stand paramount to variety distinctions. Thus only can we hope to perfect true breed formations.

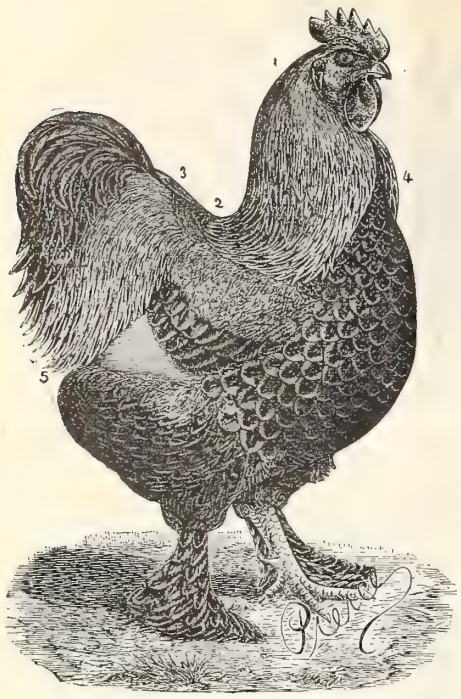
PARTRIDGE COCHIN SHAPE.

Fifteen years ago a Partridge Cochin male having quality equal to that portrayed in the cut, as here presented, would have passed muster as a model. Many are seen today of inferior quality, but as that may be, it is not the correct formation of a modern Cochin. To analyze Cochin form, we believe that if we could have before us a pair of carcasses of well matured Cochins for each of the last fifteen years we could scarcely notice any change in the shape of same. If placed side by side with a Brahma, few could tell one carcass from the other. This being the case, the whole question of shape depends upon the position and length of feather; also the extended fullness of the fluffy portion of the feather, called the downy portion. The so-called full feathering refers to specimens having very long plumage. This extra length in feather is largely a lengthening of the downy portion of the feather; as these feathers increase in size and length the under portion of down increases also and builds out cushion, fluff, back, hackle and saddle, giving the rotund formation to all these sections. The long fluffy feathers of the neck fill out and broaden its appearance, giving a much shorter neck, for the reason that this same feather formation fills up about the shoulders and lifts the flowing hackle plumage well up on the back, helping to shorten same.

This same influence fills up about the cushion, making it rounder, broader and fuller about the tail, and the lengthened tail coverts fold about the main tail feathers, often hiding them from view. These changes or improvements in feather formation have changed Cochin form into a more rounded formation, as in illustration of modern Cochin male.

This same influence lengthens out and rounds up the fluff about the hocks, often almost hiding same. While this gives the appearance of shortness of leg, many of these highly fashioned specimens almost fill the show coop. Such feather formation makes the specimens look broader, longer, fuller in breast and body and much more rounding in all sections. This same construction of feather must be cultivated upon all Cochins alike to bring them to perfection of Cochin shape.

In accomplishing this there is no need of having rough, extended hocks. Just as great a proportion of rough hocks came to them in days gone by as come to them at this time from our best breeding strains. If all came in even moderate perfection of form, feather and color, their value would be gone and the delight of producing the models would grow less. There is no reason why we should confuse ourselves with the task of two classes, full-feathered and American. All Cochins should be full-feathered. None of them should have full-extended rough hocks. The hock feathers should con-



PARTRIDGE COCHIN COCK.

FIG. No. 1—TYPE OF FIFTEEN YEARS AGO,

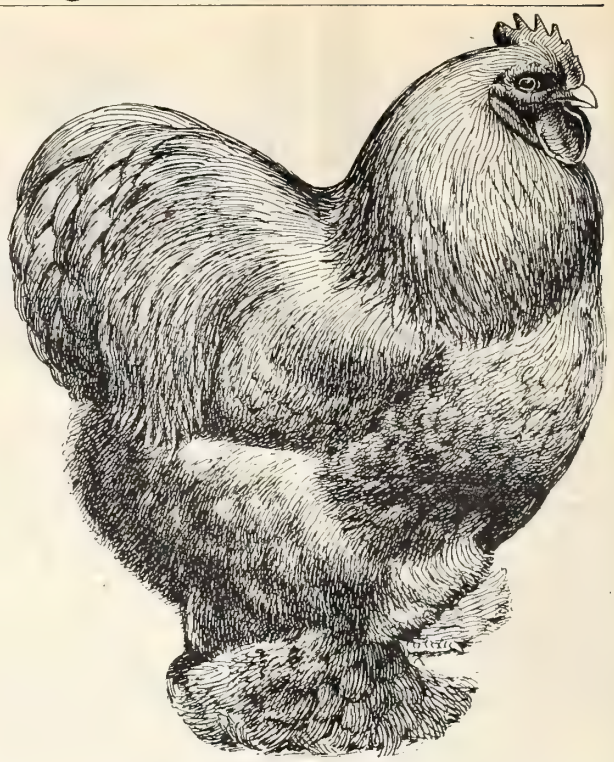


FIG. No. 2—MODERN COCHIN MALE.

form to the description of the Standard.

As shown in the illustration of a modern-shaped male, the full fluff all around the hock gives the much-to-be-desired formation. This quality cannot be found in every case, but it furnishes a guide for our consideration. Some specimens fully the equal of this illustration have been produced, showing the possibility to produce the highest quality. No credit can be given, our experts say, to the higher development in form. If so, we should at least be protected from form that is not in accord with the Standard demands.

FIG. No. 3—TYPICAL CUSHION AND TAIL.

COCHIN FEMALE.

The most satisfactory description for Standard shape for Cochin female can be presented by an illustration worked up from a photograph of a Buff pullet having best fluff and cushion development we ever saw on a pullet. This shows the bird in full feather, tail in natural condition. Taking this for a guide in Cochin shape, the nearer a specimen approaches this form the nearer it comes to Cochin shape. This illustration of cushion and tail of female comes quite close to the ideal. All main tail feathers should radiate from the center. A drooping tail is not to be desired. This illustration shows as much of a droop as is desirable. In fact, if just a little bit raised at the end of tail feathers, it would be considered more toward nature.

If desirous of producing females having this tail formation it can be advanced by the use of similar formation in tail of males used for producing pullets. So far, we have only known of one case where males and females of high quality have come from the same mating. When the high quality of color and pencilling is so desirable, it is almost an absolute necessity to use special matings for females. This being the case, we often find in well established strains male birds of the female line that have a tendency toward tail-formation similar to that in our illustration. The use of this tail formation on the male birds used for the production of females will influence the gathering to a centre point all main tail feathers and improve the shape of both tail and cushion.

PARTRIDGE COCHIN COLOR.

The color of Partridge Cochins is fully described in the Standard. There

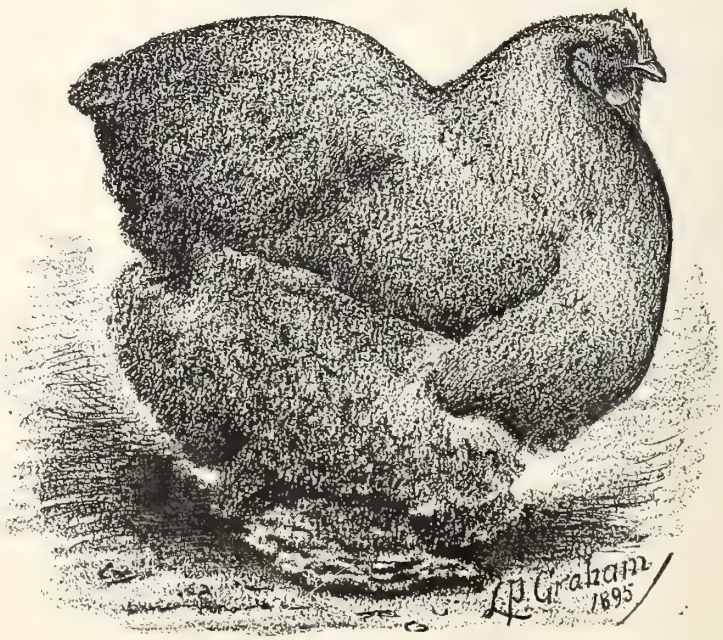


FIG. No. 4—TYPICAL COCHIN HEN.

FIG. No. 5—TYPICAL PARTRIDGE COCHIN FEATHER MARKINGS.

are but few flexible phrases in color description. As in neck and saddle of male, bright red or dark orange is the color; the same is called for in females. We would like to ask if any one has seen a female with neck color to match? We think not. These are what we would call flexible phrases, the same in description of pencilling brown or black. One should study well the color as described in our Standard and become fully acquainted with its demands and be guided by same in the selection of birds for the show pens. Bright red is not dark red, nor is it reddish brown. The latter shade is called for in back requirements, not for neck. Keep well in mind these color distinctions, for they will help you in mating your birds.

MATING FOR COLOR AND PENCILLING.

To produce the finest show specimens in male Partridge Cochins, we should always mate the finest males we possess to females of the highest type of Cochin form, paying most attention to size, form and feather without regard to pencilling. Good rich color should rule in both male and female. By this we mean the color should be bright and rich in both male and female. The black of the male should shine with metallic lustre. The males and females from these matings should be toe-marked as male producers only — and never introduced into your female breeding strain. While we do believe some can produce exhibition males and females from the same mating, it is not usually done. Those who can give it their undivided attention should work to that end; others must continue the double matings.

The production of high color and handsome pencilling is the result of careful breeding for years. This can only be obtained to any extent after your blood lines are well established and the color and pencilling of the females invade breast, fluff and flights of males. When this high quality is secured one can feel assured of at least reasonable success, providing he has two or three families of not too distant relation to draw new or invigorating blood from. By watchful care in selecting your mating from these highly cultivated pullet-producing families, one can keep to the highest type of form, color and pencilling. Never be tempted to introduce unknown blood into a strain of such well established quality. Only admit new blood by crossing on one of your best females or males, as may be, and then use some of the females thus obtained with your best penciled males. I have seen some males with pencilling in their tail coverts.

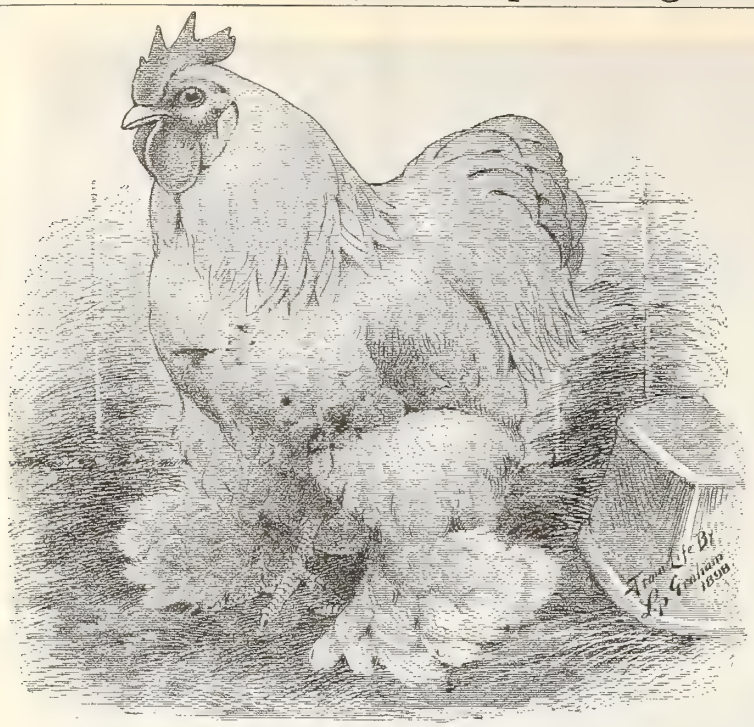
The shade of color is of great importance. Always select the rich mahogany shade; keep clear from the light or yellowish brown; also the very dark brown. The much-to-be-admired color is a bright, clear, rich mahogany shade, having the appearance of velvet. A new ripe chestnut or buckeye just out of its hull, or when rubbed with an oiled rag, gives a fairly good idea of my personal preference of color. The Standard calls for a distinct pencilling of brown or black. Why some say finely penciled, we cannot tell, for never, we believe, was such the wording of the Standard. "Distinctly penciled" are the words used and it should be understood. This does not call for fine or heavy lines, but distinct lines running around the feather to conform to shape of same. The beauty of the feathers is the rich ground work distinctively penciled with lines of darker color, two or three rows of pencilling to be preferred rather than one.

FEATHERS DESCRIBED.

The accompanying plate illustrates four styles of pencilling of Partridge Cochin females. No. 1 is one of the finest specimens we have seen for some time. The color is a beautiful rich mahogany shade of red, penciled with three rows of darker shade of color. The pencilling is quite distinct, even and regular, following the shape of the feather. In the center about the shaft is a very regular line of the darker color. The outer edge of the feather is free and clear from any dark shading. We say penciled with a darker shade, for the reason that we should not call this pencilling either brown or black.

No. 2 has a heavier pencilling of a darker shade than that of No. 1. This feather has but two rows of pencilling; the center line is heavier and more uneven. There is a dark line around the point and part way down each side of this feather. The ground color is almost as good as that of No. 1, but the heavy lines, the darker shade of these lines and the black edge of the feather make the specimen appear much darker; in fact, as looked upon either in exhibition coop or breeding pen, she looks the darker bird. No. 1 wherever seen is the handsomer, more attractive bird. Both have very pale undercolor, and I presume would be cut for same. No. 3 is from a specimen of rich ground color, very heavy, glossy black lines or pencilling; also a dark edge all around the feather. This heavy black penciling produces an effect entirely too dark for our fancy. Still, this is growing in favor with the judges in the East, and we noticed considerable of it in the late Chicago show. This feather has dark undercolor to the skin, and the wearer of same has a very dark-appearing head and face, the influence of the dark shading.

No. 4 illustrates two features we wish to make mention of. First of all, length of the feather and fullness of the downy part of same. This fullness of down helps to fill out and form



BUFF COCHIN BANTAM.

the Cochin shape. When this extends into all sections it fills out the form wonderfully. This feather is quite dark clear to the skin and the specimen so feathered should make a fine hen for a male mating under the double mating system.

We have endeavored to illustrate all sides and in doing so shall not hesitate to cast our preference for Nos. 1 and 2 for shade of color and pencilling, but at the same time we should favor No. 3 if of better form; or, in other words, if three specimens were to select from clothed in feathers as indicated in Nos. 1, 2 and 3, we should prefer the one that was the better Cochin in shape and feather.

While it is the opinion of those who pass judgment upon our exhibition birds that a slight, so-called defect of undercolor is of more consideration than grand and attractive surface color, the only safeguard we have is to stick close to specimens with very dark undercolor and use them for our breeding pens. But, to illustrate: What would one think if his best girl should lift her beautiful mahogany brown dress skirt at a most fashionable ball and display a dark slate underskirt? Bad taste, to say the least. So say we of him who prefers dark underclothing to a perfect surface color. The show pen is the hen's dress parade; she is out for display, not for a theoretical consideration of her prospects to reproduce specimens having that shade of undercolor the judges have decided upon.

All personal preferences must bend to the powers that be, and while this power is vested in the judge we must stay as close to sound undercolor as possible. This and black flights in our males are our strongest assurance of keeping out white. The double-mating system will permit of very dark undercolor in both males and females for male-producing matings; but we doubt the ability of mortal man to produce any number of good females by these methods.

COCHIN BANTAMS.

How to Breed the Miniature Cochins to Perfection—Almost the Equal of the Larger Cochins—Race Qualities Prominent—Description of the Several Varieties.

Written expressly for AMERICAN POULTRY JOURNAL by T. F. McGrew, 1267 Broadway, New York City.

Cochin Bantams are fast surpassing all other breeds of Bantams in quality and public favor. In no direction has the same progress been made. A few years ago we saw only the very red, close-feathered specimens; in fact, they were almost as close-feathered as Sebrights or Booted Bantams. Great attention has been bestowed upon them by expert fanciers. Long prices paid abroad for the best to be found, and, in some cases, crosses with large Standard Cochins have been resorted to. The latter method has much improved both shape and color.

There is one general fault to be placed at the door of all of us. That is, the mistaken notion that the smaller the better. Cochin Bantams to be true Bantams in shape must carry good length of feather; the longer the feather, the better for good Cochin appearance. This great length of feather gives the appearance of greater size to a specimen of no greater weight than may be found with a close-feathered specimen that looks much smaller. We should encourage this fullness of feather and discourage the hard, close feather, like that found with the Booted Bantam.

We presume the Buff variety will always hold their popularity, but up to within a few years they lacked in Cochin quality; had extended hocks almost as bad as found in the White Booted; were close-feathered; bad in comb and color. We doubt if ten years of careful handling will drive out the extended hocks; at the same time, many are now seen with fairly good hocks, and combs are much improved.

Having been identified with Cochin Bantams for many years, I will tell of their advancement under my observation.

Early in the eighties we bred some that scored from 93 to 95 points. At that time they showed a strong tendency for five toes and green legs, caused by an early cross in England, of both Silkey and Nanking Bantams, to build up their weakening constitutions, caused by close inbreeding of the one early lot that came from China. For many years it was almost impossible to get rid of these bad features; also the black tails of the Nanking. Later, a cross of White Booted was resorted to, giving a wonderful admixture of four breeds in one, which will probably bother us for all time to come with their bad forms and colors.

By closer and determined efforts many of these bad features have come under control and both form and color are improved. Three years ago we succeeded in producing a line of male birds of a true and even buff color; in fact, their true buff color called forth many complimentary words by our poultry press. But the utter impossibility to secure new blood of even moderate color qualities compels one to resort to a cross with the large Cochins, and then comes the slow process of reducing size by careful breeding. Last season we secured two crosses in one year, by securing some chicks from a March-hatched pullet that began to lay in September, thus gaining the result of two years in one.

The illustration of the Buff male bird was made from life by Mr. Graham, showing comb, shape and length of feather just as found on the bird, no pains being taken to hide any defects. This will give a complete presentation of what goes to make the true Cochin Bantam male. There cannot be any reasonable excuse offered showing why good Cochin shape should not be insisted upon in these Bantams. Also, we feel that this good form when produced should stand head and shoulders above color. Color is quite important; but of what value is an ill-shaped fowl, no matter how fine the color? One of inferior color and perfect shape may be a wonder of its kind, while one of inferior shape and perfect color might be termed a nondescript.

We find more uniformity of shape and color in the females than in the males; in them we often find Cochin shape that rivals their larger relations and color is usually more uniform and of a better shade. The females seldom take on perfection of form until the second year. For this reason hens of perfect shape are most valued as breeders. Those who have them and know their value usually keep them within their own yards. The natural color of the Buffs, as they came to us from China, was very dark shade for males and much lighter shade of color for females. They will breed to those shades naturally if allowed so to do. The only way to change or prevent this is by the most careful matings.

BLACK COCHIN BANTAMS.

It is conceded that the Black Cochin Bantam, in perfection, is one of the most beautiful of all Bantams. The rich beetle-green shade of black, with red comb and wattles, makes a

COCHIN BANTAM HEN.

most pleasing appearance. Some strains of Blacks have superb form and feather, while others are deficient in Cochin requirements. The one grea' weak spot is undercolor. Some of the most beautiful have white in undercolor of back and hackle. This would point to a cross with the white for new blood. There is a tendency among some to get these Bantams so short on legs as to be almost a deformity. Whenever they begin to shuffle about like Japanese, then it is too much and should be discouraged.

There is a tendency among the Blacks to grow longer tails than other varieties. The Whites come next in this respect. We presume it comes from their having a strong admixture of White Booted blood in their ancestry which has not entirely been overcome. Many of the Blacks have very dark eyes; almost solid black in color. All of these shortcomings are being gradually removed and the general quality is fast improving, both in the Blacks and Whites. In fact, we think, in proportion, the Blacks and Whites have improved more in the last few years than the Buffs.

WHITE COCHIN BANTAMS.

The Whites have gained much in public favor in the last few years. Their Cochin qualities have been much improved; in fact, some wonders in shape, feather and color have found their way into our largest exhibitions. Their only fault, the same as with all white fowls, lies in the difficulty of keeping their plumage in good condition. The true beauty of all pure white fowls is their spotless plumage. When good accommodations can be furnished them, no Bantam can be more satisfactory than the Whites. Their most common faults are long backs, narrow or pinched tails, and poorly colored beaks and legs. All these faults come through inheritance from the White Booted, and must be vastly improved in the near future, from the fact that the Standard is more stringent on these points. In fact, the adoption of the same Standard qualities for both Cochins and Cochin Bantams is a move in the right direction and one that must bring better Cochin form to the Bantams.

PARTRIDGE COCHIN BANTAMS.

All who handle the larger breeds of fowls have perforce found out how difficult it is to keep them up to size, when hatched during the fall months, and that they seldom, if ever, attain what may be termed size. This fact helps in the production of Cochin and other Bantams, provided it is judiciously taken advantage of.

The latest in this variety is the Partridge Cochin Bantam, and it is one over which much work has been wasted through lack of the knowledge of the science of breeding. Several attempts at producing them, some years back, have proved at least partial failures from the fact that too much crossing of breeds and mixing of blood was resorted to, and finally all was abandoned as a failure, the small gains made in one direction being more than offset by serious losses in other respects. In some cases the shape obtained was fairly good, but the pencilling and color of females was worse than bad.

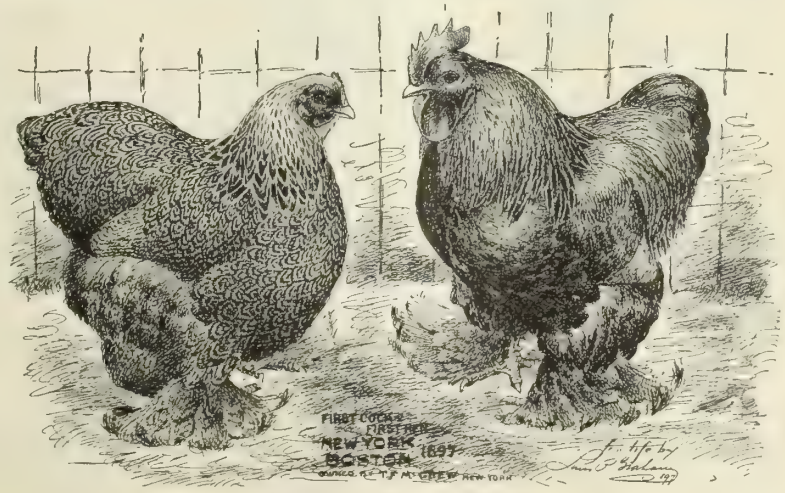
Being anxious to try my hand in the line of their production, I secured some very good specimens from England. These birds had heads and beaks fashioned after the Game Bantams, and the males had no pencilling in hackle and saddle. I felt convinced from the first that no hope need be entertained of making much headway with these birds, and so crossed the male with a superbly penciled hen of the large Cochins, a hen on which my records showed that I could fully rely, and the result was all that could be wished for, save size. This I reduced by making two crosses in one year and rearing the young during the winter. For the second cross the early hatched pullets were bred back to their sire, and in this manner I quickly gained the small size that at first was wanting in my beautifully penciled birds.

As a final result of record keeping and scientific mating, I now have a most promising lot of chicks, showing decided improvement in all points, and the males almost perfect in color, with delicately penciled hackle and saddle; the one fault remaining is a little too much size, but this will soon give way to inbreeding, judiciously practiced. As every one of my birds is known and recorded, it is not difficult to make such matings as will insure prompt and satisfactory results.

BRAHMA BANTAMS.

The success obtained with Partridge Cochin Bantams at Elmwood Farm has tempted me to experiment on other breeds in the same fashion, and I have a good report to make of same. Our success with Light and Dark Brahma Bantams is quite gratifying. In the Lights we have produced some beautiful little Brahmas, having the proper shape, with good combs and well shaped hocks; in fact, miniature Light Brahmas, a little weak in neck pencilling, but this is slowly improving and quite a percent of fine-colored specimens now make their appearance. Some have used a Japanese cross on their production of Light Brahma Bantams, producing bad shaped backs, tails and legs. This is a mistake, for in all Bantams the true breed characteristics should be maintained. The real beauty of the Brahma is its fine form of back and tail; its length and shape of legs is a Brahma formation quite unlike the Japanese. For this reason we contend for and maintain the true breed formation in all of our Bantams.

In Dark Brahma Bantams we now have some under three pounds in weight; the females most beautiful in color and pencilling; in fact, they are



PARTRIDGE COCHIN BANTAMS.

so rich in this respect that not one male did we procure from them the past season with clear black breast and fluff. This might be called a good fault, as for pencilling, but for show males some new method of breeding must be adopted.

For the benefit of all, we record how we have produced our strains of these

DARK BRAHMA BANTAM FEATHERS.

new Bantams. In each case we have secured the best we could find of each kind and crossed them upon the Standard sized birds of each breed, or variety in the penciled varieties, i. e., Partridge Cochin and Dark Brahma; we have used Bantam males of the best we could find upon well penciled Standard females, selecting the smallest we could find of proper quality, thus assuring well penciled foundation blood for a start. In Light Brahma Bantams we prefer to use Standard males upon the best obtainable Bantam female, for in this way color is gained and small size hastened faster than by the other cross. Birds produced in this way won against high priced imported stock at the late winter shows. One notable feature with these new strains of Bantams is their wonderful fecundity of the females; the decreased inclination to sit, and the large percentage of fertile eggs.

A Montana correspondent is replied to regarding canker: This indicates a weakened condition, resulting from the cold described. Blow boracic powder and camphor, equal parts, into the mouth, using a quill. The ailment can be overcome.

BUFF COCHIN BANTAMS.

The Bird Considered from a Historical Standpoint—Its Qualities and Characteristics Defined—Growth of the Popularity of Fanciers' Fowl.

Written expressly for AMERICAN POULTRY JOURNAL by Clarence Henderson, Springfield, Ohio.

Persons having limited yard-space or time, but wishing to engage in a pleasant and profitable diversion, should try the Buff Cochin Bantam. They are reasonably hardy; can be raised on almost any kind of lot, and are in good demand.

The standard has made several changes in the requirements of this little bird. Few of the older varieties offer better opportunities for the gratification of fancy in working for improvement. There is a charm about this variety that appeals particularly to women and young people. The eggs of the Bantam are the epicure's delight.

The Buff Cochin Bantam was imported into England from Pekin, China, about 1860. There they were inbred until their size and constitution were almost ruined. Then they were crossed with the White Booted Bantam and another Asiatic freak, the Nanking Bantam—with apologies to Mr. McGrew for saying this—what was gained in one way was almost lost in another. Their shape and carriage were badly injured, becoming more on the order of the Game. The feathering, particularly of legs and toes, was also injured. The color was almost anything but buff; with shanks of various shades of yellow, white and green. The male had a very large hackle. In some cases they had actual white, with body of dark brown, the color of iron paint. The female was just the reverse, with neck dark and body a dirty cream, rather than buff. One can not help but wonder at the work required to produce such specimens, from such a start, as are now seen in our show rooms.

Novices may ask: What constitutes a good Buff Cochin Bantam? A diminutive Buff Cochin, nothing more nor less. The Standard has relegated the Red Pekin to the rear. We must now have a Buff Cochin Bantam, in the strict sense of the word. You will look a long time before you find a 97-point bird nowadays.

The up-to-date male must have a small comb; rich yellow beak; wattles rather long and pendant, instead of round and cupped; head carried not much higher than the tail, which is not a squirrel tail; saddle very broad, full, and not concave, as is seen now. The main tail-feathers are short, well spread at base, and almost covered with long, soft tail-coverts. The wings are short and should be carried well up, not drooping as seen now. The feathering is profuse in all sections. Thank goodness, vulture hocks do not disqualify. We may now hope for toe-feathering.

Too many Bantam breeders have failed to give the care necessary to advancement. They seem to think a small bird can live anywhere, in some old box, eaten up by lice, and thrive on any kind of food. Mating for results is not thought of by this class of raisers. When the rats and cats have had their pick, the remnants of a possibly good flock are disposed of by men who say there is nothing in the poultry business.

A beginner should start with a trio or small pen, selected by a proper judge of the mating, but an experienced poultryman should have two or more pens, mated with an object in view. A mating that would do for Buff Cochins will hardly do for these Bantams, whose tendency is for dark males and light females to reproduce themselves. Good stock, of known ancestry, is requisite as a base. I depend on the male for comb and color; on the female for shape, toe-feathering and size. In mating for cockerels I select a male of a light but even buff, with small comb, and sound colored wings and tails. He must be uniform in all sections, not dark in one and light in another. He is mated to females of good rich buff, as even as possible; but the shape and feathering are first considered. For pullets I select a cock well feathered all over, with small comb, very deep buff color and undercolor (not brown), and mate him to the heaviest feathered, best shaped females of a rich golden buff and good undercolor.

Dark necks, and a tendency to lacing, especially in females, should be guarded against. In a general way, favor shape first, color next, and size last. Never discard a bird for oversize, if it is very good in other points, especially in males. Have no use for a bird, no matter how small it is, if it lacks vigor or breeding qualities.

Place the pens in a dry, sunny spot; keep the houses clean. Feed wheat, and some oats and cracked corn in cold weather, moderating the corn in warmer season. Give ground bone twice a week, in small doses. Don't overfeed. I begin to save eggs in March and April. May and June are the best hatching months for these Bantams.

Springfield, Ohio.

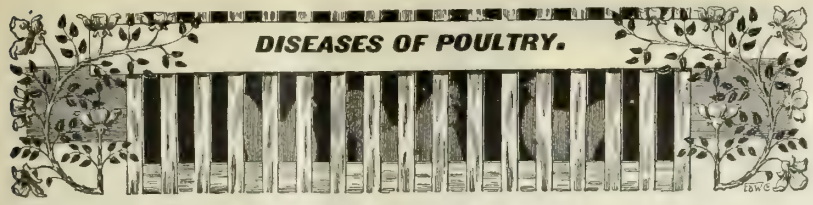
A PROSPEROUS YEAR.

This is the most prosperous year in the long and eventful life of American Poultry Journal. More names have been placed upon our rolls than ever before in the same length of time. There is not a delinquent subscriber on the books. Every name represents a paid-in-advance subscription. This fact shows the sentiment of the people regarding the character and worth of The Journal. It also demonstrates the value of these columns to advertisers, Our readers are men and women who take The Journal and pay for it because they want it. Therefore, they are of the very best class of subscribers. They are interested in poultry and are buyers of poultry and poultry-yard appliances.

We make but slight use of sample-copy privileges. People do not, as a rule, value what comes to them unsolicited.

The coming year bids fair to be a most successful one in poultrydom. The Journal will maintain its rank as the oldest publication of its class in America. We prefer to have our readers say kind and approving words, rather than to utter such praises ourselves. We shall strive to merit public favor.

Line-breeding by recorded ancestry is now an admitted requirement.



This series of papers on the prevention of disease, the care of fowls, the preservation of health in the flock, and the general conservation of energy in breeding poultry, is written expressly for AMERICAN POULTRY JOURNAL by DR. N. W. SANBORN, Wellesley Hills, Mass.

The diseases we take up this month are some of those that attack young chickens. To avoid sickness among our growing birds is a great gain. It means to us, adult birds that are strong, vigorous and likely to remain well during the working months of their lives.

The cause of greatest loss among chicks is lice and should always be "ruled out" before thinking of any other trouble. The consideration of lice and red-mites will be taken up in a later number.

First in our list of diseases is—

CONSTIPATION.

This is met in the care of young chicks rather than with adult birds.

It seems, in chicks, to be due to insufficient exercise, or to the unsupplied need of coarse and green food. Increase the quantity of bran and supply green food in variety. Cabbage, lettuce, finely cut onion tops, or clover, will supply an urgent need and at the same time furnish a laxative for the bowels. A source of pleasure to chicks is scratching in barn sweepings. If you once give a brooderful of chicks a pail of waste from the hay mow, and see the lively motions that follow as the little ones scratch and pick for choice pieces, you will never again, I hope, do as so many do—sweep all waste into the manure pile. Either save the fine chaff till chicken time or give it to the hens during the shut-in days of winter.

Old birds seldom have constipation, but when it does appear it is generally owing to crowded flocks and no bulky food.

DIARRHOEA.

Diarrhoea is more common than constipation. It is one of the dangers of chickenhood and is a symptom, if not a disease, altogether too common among young birds. It is met with in both hen-raised and brooder-cared-for chicks. It is caused by one of two things: either too little heat or coarse, indigestible food. Many a brooderful of chicks has passed on to the "silent majority" simply because its owner persisted in regulating its heat by a thermometer resting on the hot floor. I never got any satisfaction from the use of a thermometer in a brooder, as I found that the best indicator was the chicks themselves. If you keep the heat at the right temperature you will find the chicks lying near the fringe of the "mother," looking contented. If you find them crowded near the source of the heat, it is not warm enough. A low temperature means a chill; a chill in a chick means an inflammation, usually of the bowels—diarrhoea. The hen, long confined to her eggs, when set at liberty with her chicks, is inclined to enjoy her freedom and leave the chicks to cry with cold while she pretends she is hunting food for them. Again a chill—also diarrhoea. The brooder rightly managed is better than the old hen. It is always ready to "mother" and warm the weary chick.

Another cause of diarrhoea is coarse or half-cooked food. Too much bran, or only warming it with tepid water, leads to diarrhoea. The safe plan, to avoid this danger, is to bake, in milk pans for at least one hour, all chicken mash. I take no chances from half-cooked food, and am sure, from my own experience, that it pays well to take the extra time involved.

Avoid feeding sour milk to very young chicks, as it, in hot weather, is likely to produce bowel trouble. The absence of grit will loosen the discharge from the bowels.

A sudden shower sometimes so chills young chicks as to produce diarrhoea.

Chicks with diarrhoea should first of all have a comfortable place to rest in. This does not mean they are to be coddled. They are to have a good chance to get into the open air and on clean earth if they wish, with just as free an opportunity to get into a warm brooder when they so desire. The food should be either dry grain, with plenty of the right sized grit, or well cooked mash that is constipating. Mash to be of this character should contain less bran and more middlings and be mixed with milk and baked.

Hens have diarrhoea from improper feeding. Irregular, careless giving of food, too much today, too little tomorrow, none at all the next day, upsets crop, gizzard and bowels.

Another source of bowel trouble is filthy drinking water. It is not enough to add each day water to that left over from the day before, never cleaning the dish. Water vessels should be rinsed every day and filled with fresh, clean water, not forgetting a weekly scalding in warm weather.

Old hens that have been overfat and are breaking down as a result, often have a bad smelling diarrhoea.

Hens running wild on the farm, having full liberty to forage for themselves, seldom have diarrhoea, but it appears in flocks confined and dependent upon man for food and drink.

Give every bird with diarrhoea the chance to get at growing grass, if in the season of it; feed dry grain, largely wheat; add one teaspoonful tincture iron to each quart of drinking water, and give in earthen vessels. If the attack of diarrhoea is sudden and acute, give one teaspoonful castor oil and follow it in an hour with three grains Dover's powder.

Diarrhoea is seen in some cases of scrofula, consumption and tuberculosis and will be considered in connection with those diseases.

DYSENTERY.

You may recognize this disease by a watery bowel discharge, streaked with or nearly all blood. There is an inclination to continue straining even after the bowels are empty. Dysentery is a filth disease and the discharge may convey the trouble to other birds. Eating from filthy ground or drinking bad water is the cause of many a beginning of dysentery on the farm, and with a single case on hand there is danger to every other bird in the flock. Give whole grain, largely wheat; furnish grit, and give only pure water in a clean dish. In a teaspoonful of warm water give ten grains of salts and follow in three hours with "Dover's powder, three grains, sulphocarbolate of zinc, three grains, bread crumbs sufficient" to make a long pill the size of a slate pencil. If the dysentery appears after the second day, repeat the pill, morning and night.

LEG WEAKNESS.

Weakness of the legs is a trouble appearing in young birds, cockerels more often than pullets, and is seen usually between three and five months of age. The larger breeds are more prone to this trouble than the smaller and more active birds.

This weakness is caused by pushing for growth by feeding too much fattening food and condiments, thereby increasing the weight of the body beyond the ability of the legs to support it.

If your birds are getting into this condition you will notice at first unsteadiness in gait. They move slowly and the limbs slightly shake. In a week's time they can hardly keep up on their legs, and when feeding will sit down so the body is nearly on the ground. Looking the bird over, you will find little to attract your eye, except the weakness of the legs. The bird otherwise appears to be healthy. The feathers are bright, the eye clear and the appetite good. As the days pass the bird loses his desire for food; is picked upon by his brothers; lice multiply upon him; he becomes thin; the skin grows dry and crackly.

In the very begining of leg weakness remove all causes of trouble. Spice, corn and cornmeal, buckwheat and rye, should not be fed for weeks to such birds. Have regular times to give the meals and make each bird work for part of his food. If possible, have sick birds by themselves, to avoid imposition by the other chicks. A grass run, with shade and cool water, will help cure these cases. If you have time and patience, one-tenth of a grain of quinine given to each bird with leg weakness, every morning, will help bring up the chick to health again.

CRAMP.

This appears among chicks rather than hens, and is caused by crowding at night, and too little exercise.

There is stiffness in walking and even an inability to move.

Reduce the number of such cases by removing birds from each brooder, so the whole number remaining shall not exceed fifty. I am not sure that this number is not too many, but at any rate fifty chicks are all that ever should be allowed to be in one flock.

Having the number right, next turn your attention to the temperature of the brooder. Have the heat plenty enough so that the chicks will not have to huddle together to keep warm.

Furnish heat so that the chicks will sleep near the fringe of the "mother." All brooders are not built to raise healthy chicks. Many are lacking in making little, if any, provision for supplying pure air. There are more good incubators than good brooders.

Poultry Houses and Fixtures.

Written expressly for AMERICAN POULTRY JOURNAL by E. A. Phelps, Austinburg, Ohio.

BROOD COOP.

Herewith are presented sketches of a coop, which we think for neatness and the comfort and safety of the hen and chicks is a little ahead of anything we have yet seen or used. We are adopting it entirely this season. The essential features of a good brood coop are: Abundance of light and fresh air, warmth, dryness, security from rats and all small animals, freedom from direct draughts and portability. It must be easily accessible to clean out. We have built and used several styles of coops, each of which possessed good features, but have found nothing so convenient to work with and in every way so desirable as this one.

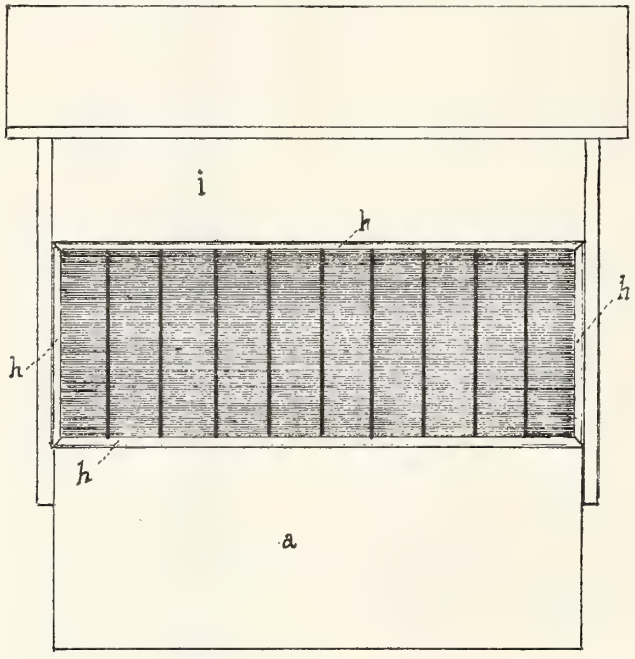


Fig. 1

The coop is three feet square and thirty inches high at the highest point of ends. The sides are cut thirty-four and a quarter inches in length, and should be nailed inside the ends. Or, properly speaking, the ends nail onto the sides, as shown in Figs. 1 and 2.

The ends should be made first, and may be of boards twelve inches wide, which are most convenient to use, and we are taking it for granted that you will use lumber seven-eighths of an inch thick, matched and planed. Square one end of three twelve-inch boards, join together, and nail a strip three inches wide across the ends you have squared. This strip serves two purposes. One to hold the boards together and the other to support the floor. See F F, Fig. 2. Now measure up from the bottom, twenty-four inches, and mark it for height of front side; thirty inches for peak and fifteen inches for back side. Line from point to point, and saw off, and you have one end. The other being formed in the same manner. A board twelve inches wide, g Fig. 2 (laid horizontally), forms the back side, the bottom edge resting on the cleats, f f. I, Fig. 1, shows a board eight inches wide, which forms the upper part of the front side, the lower part being formed by the door a, which is a board twelve inches wide, and hinged to the bottom of the coop. During the day this is left open and serves the purpose of a runway from the ground up to the floor of the coop and at night is shut tight; also in stormy weather, if desired. Light strips (h, h, h, h) seven-eighths inches thick, form a rabbet against which the door swings, and in which are set the three-eighths iron rods shown in Fig. 1. We set rods three and a half inches apart. The bottom fits snugly inside, and slides in and out on the cleats, f f. To it is hinged the door a. An opening is cut in the steep side of the roof, ten by fourteen inches, c, Fig. 2, over which is placed a fourteen by eighteen pane of glass, d, the glass being held in place by strips two inches wide, c c. The glass should come close up under the projecting portion of the roof, which will not leak. The portion of the roof containing the window is hinged to the flatter part, which is nailed fast. Holes four inches in diameter are cut in each end as shown at b, Fig. 3, for ventilation, and on inside we tack wire screen.

In this we have a coop which we can make proof against rats, weasels and the like at night. The floor is three inches above the ground and never wet, and affords no place for rats to burrow. It is easy to clean out, all that is necessary being to remove the bottom, clean and replace, and easy to get into. It is also neat, roomy and

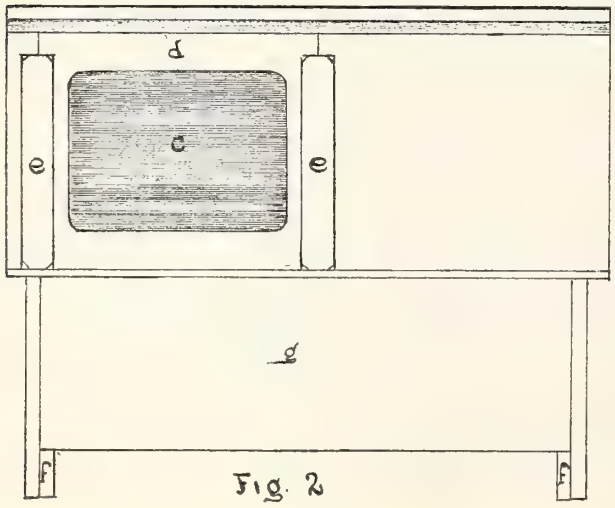


Fig. 2

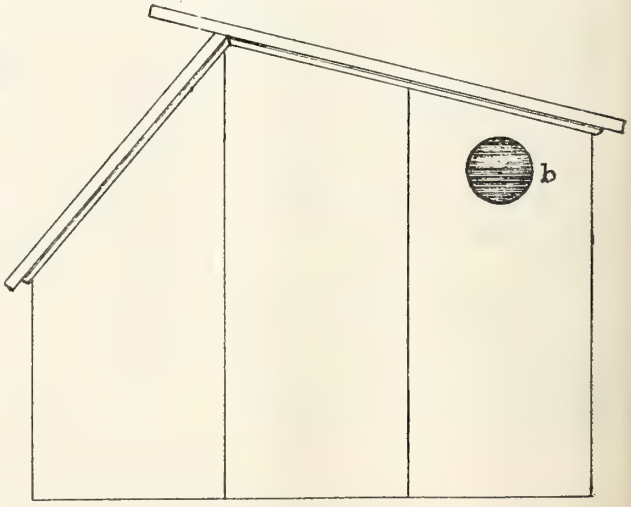


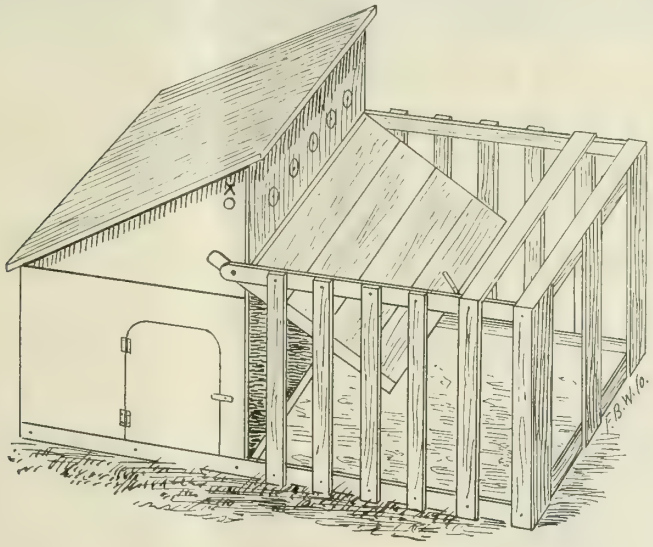
Fig. 3

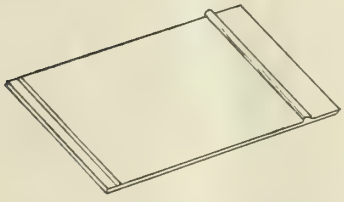
comfortable at all times. If painted and taken care of this coop may be used from year to year for almost a lifetime, and costs about one dollar and a quarter, if you build it yourself.

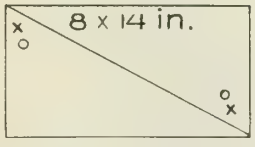
A CONVENIENT COOP.

The illustration and description of coop here given are supplied The Journal by J. M. Knight, Lynn, Ind.

The coop is made of lumber 12 inches wide; ends and back 20 inches wide. Take 12-inch board 20 inches long, saw it from one corner to other. This makes gables and gives 20-inch height in front. To make the front solid nail 2-inch strips on inside of front from gable to bottom. The roof is made to fasten on with hooks. The bottom also is loose. The lid in front is made by cutting boards 20 inches long. Nail strips half-inch thick, 2½ in. wide, 22 in. long on each end; nail







them so that when the lid is let down half inch will lap over end, making lid 20 in. high. The ends of strip projecting over at top are to fasten to coop with screens. This lid makes part of cover to run when raised; it closes front of coop when let down. The run is made of lath. The sills are four feet long on each side. Nail them on each side of coop at bottom. Make the run wide enough so that it will fit on outside of coop at top. The screens that hold on lid to front of coop should first pass through cleat at end in top of run. This lets the lid work freely inside of run. Make holes in front of top and ends for ventilation. To move the coop let the lid down in front; step inside of run, and you can carry it to fresh ground every day. The advantages of the coop are: It gives the hen fresh ground and sunshine; a place to wallow if dry; keeps rats out; it is easily whitewashed by taking roof and bottom out.

WHY THIS DIFFERENCE?

Why should poultry judges differ so much?

You often hear it remarked that Judge Knowitall scored a bird and afterwards Judge Policy scored the same bird, and only made one-half or perhaps one point difference.

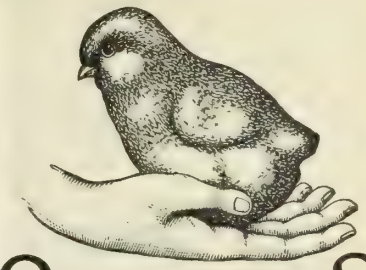
Now, that looks real nice on its face, but wait. I see Knowitall cuts 1½ on comb; Policy only cuts 1; Knowitall finds four color cuts of one-half point each; Policy finds two color cuts, or perhaps three-fourths of a point each. Knowitall says that legs and toes need a cut of 1½ points; Policy says one-half a point is all he can see wrong. Knowitall thinks one-half a point cut on shape of wattles and ear-lobes sufficient, while Policy thinks 1½ should be cut. Knowitall thinks breast neews a half-point cut, but Policy thinks it needs 1 point on shape—and so it goes.

Now, I can see no great cause for such difference. I know we all look at certain things from different points of observation, but I can see no just cause for judges differing as much as they do on certain points.

For example: A few days ago I was called upon to look at a fine Black Langshan cockerel that had been scored by two prominent judges, in strong competition. By one judge 94 and by the other (I think) 94½. One judge could find only one point wrong in color, while the other found two points. The owner picked up the bird and handed it to me. I had no difficulty in finding four sections showing purple bars. Now, as I understand the Standard, it says very plainly that all blacks showing purple barring shall be cut a point for each section.

One judge had found two sections wrong and cut half a point on each section, while the other had found all four sections wrong and cut a half point on each.

HATCH Strong



CHICKENS

Then keep them healthy and growing if you want the *Pullets to lay* when five months old. When hens lay eggs for hatching mix in their food every other day

Sheridan's Powder.

It strengthens the hens; makes the rooster *more vigorous*; finally you get more fertile eggs and strong healthy chickens. Persons who *succeed best* in keeping Poultry, commence with little chicks; giving twice a week an even teaspoonful of Sheridan's Condition Powder mixed with each quart of food, gradually increasing the dose. Sold by druggists, grocers, feed dealers or by mail. Single pack 25 cts. Large can $1.20. Six cans, $5. Exp. paid L. S. JOHNSON & CO., 22 Custom House St., Boston, Mass

In such cases there must be something wrong—either incompetency or dishonesty, and all honest breeders are damaged by such work. I can easily see how two judges may differ honestly half a point on shape or size of comb; but when a single comb has a side sprig and a judge assumes the power to make a legitimate cut of half a point and passes the bird at that, it looks as if there was something wrong either in the judge's ability or his honesty.

I am a firm believer in the score-card system. In fact, I do not care to have my birds passed on by any other. But I want an honest judge who has the "back bone" to make every cut the Standard calls for, without fear or favor from anyone. It has been said, "An honest man is the noblest work of God." It has also been said, "An honest god is the noblest work of man." There is a vast difference between the two proverbs, but they both agree on one vital point: Honesty. Now, it does not matter to me whether it is going to be that the judges engage in the noble work of making honest breeders, or that the breeders engage in the noble work of making honest judges. I really think there is room for improvement on both sides. If we had no dishonest breeders there would be but little encouragement for dishonest judges, and if we had no dishonest judges there would not be so much temptation for dishonest breeders.

I am no judge—have no desire to be—but I can read and see and am not color blind. I am a lover of fine stock and have as good Langshans, White Rocks and Belgian Hares as there are in the county; but I have some purple and some "brass" occasionally and am neither ashamed nor afraid to own it.

A. S. PARSON.

Garden City, Kas.

A WELL KNOWN FACE.

Since Lambert introduced his Death to Lice by making his own portrait a part of his trade-mark, everybody can easily identify the article. It is a sure relief to the troubled chick and the suffering fowl. No poultryman can keep a flock without such an assistant. Send to D. J. Lambert, Appanaug, R. I., mentioning A. P. J.

CORNISH INDIAN GAMES.

In spite of the fact that the Cornish Indian has "gone it alone" without the aid of a specialty club, it has been steadily gaining in favor and popularity, purely on its own merits, until it has outnumbered nearly all other varieties at some of the large shows this season, noticeably at Lincoln, Neb., where there were 57 competing—said to have been the largest class in the show. At New York there were 83 Indians competing in open class, besides other specimens in breeding and display pens. This shows the interest gradually developing.

In this article we do not expect to present anything especially new or instructive to the old breeder, but to the hundreds about to start in with the variety, we wish to say that, having decided to breed the Cornish Indians, we believe you should go one step further and decide to become a specialist, if now handling other breeds. "Do one thing well" is a good motto in breeding poultry, as well as in other pursuits. Devote all the energy and capital you can spare with a view to meeting the strongest competition and of becoming Cornish Indian headquarters. Resolve to be known as a breeder of the best in America, and have them. Believing that proper type should be the first consideration with Cornish Indian, or any other variety, and before making any investment for stock, a thorough understanding of the proper type should be arrived at. The fine specimen of manhood, the superb physique of the athlete, is admired by all, no matter what race or color; and no amount of dress, fine fabrics or plumage can make an ill shape attractive. The blood of the elongated, stilty, gaunt, hungry-looking specimen of Cornish, with long back, lean head, and turned hocks, should not flow in your yards, except by aid of the hatchet.

We strongly recommend and believe it is an absolute necessity to have two distinct pens for breeding Standard color in cockerels and pullets. The Standard demands solid black breast in males and an abundance of rich golden bay in females, which cannot each be produced in the highest degree from single matings. We were in hopes that the Standardmakers would allow the rich chestnut, or bay color, in breast of males, so that single matings would be ample; but after all we must admit that the solid iridescent black breast is most attractive. The may or crimson stripe in hackle must be ever present.

Do not be gingerly in loosening up a few extra dollars in the purchase of first breeding stock. Exhibition specimens are not a necessity. In fact, an exhibition cockerel might be next to worthless as a breeder of color. You must, however, have good blood; and it is a good rule to always patronize the reliable breeder who takes pride enough to advertise and exhibit his stock. If it is your opportunity to make personal selection, we would advise the purchase of two trios each, for pullet and cockerel breeding. The male to head the cockerel pen should have the solid black breast and should be bred from female dark in ground-color. The cockerel to head pullet pen should have plenty of bay color in breast, with lacing double in character; and specimens can often be found showing well defined lacing all through. The ground-color in females must be a beautiful golden bay. The proportion of greenish black and bay are shown in illustrations.

Specimens not clearly laced, but commonly called smutty or peppered, should be discarded. Feathers must be scant, hard and close fitting, so that color is not lost by overlapping. When thus bred, the Cornish hen, to our mind, is without a peer in beauty of plumage, but as we have said, type (shape) and not color is the main consideration. The essentials of type are a neat triple pea-comb, wide skull, good width of head from cheek to cheek. Neck short, strong, medium, and slightly arched, with short hackle barely covering base of neck. Back broad, short, and slightly convex, with angular wing. Shoulders showing good width between. We see too many narrow across wing shoulders. Tail scant, of medium length, and carried as low as possible. Breast deep, prominent, and well rounded. Legs set wide apart. Thighs round and muscular, and set well forward, with full width of body swinging between. Shanks short and round, showing plenty of bone. The general appearance strong and massive, erect and commanding, yet graceful; with all its bulk, a fowl distinctive in type from all others—the king of table fowls. It only needs the work of a good specialty club to place it among the most popular of all the varieties.

You are of course familiar with the Standard, and there will be no excuse for not presenting your best for exhibition, and to best possible advantage. First of all, there must be size, shape and carriage. Have a few show coops or inclosures of suitable size and commence a systematic training. All food and drink should be given at an elevation, which helps wonderfully in matter of carriage and station. They should not be overfed at show time, but will appear all the more animated and attractive if not overloaded and "logy" with food.

If you are beaten, take defeat manfully and sportsmanlike. Congratulate your successful competitor with a firm but silent resolve to "do" him next year.

The Indian Game Club, through its secretary, Adam Thompson, of Amity, Mo., has made an earnest appeal to the breeders, and we sincerely hope everyone will put on the war paint and sound the tom-tom, and rally to his support. We should have a club done by such workers as Heck, Pratt and Rigg for White Plymouth Rock, Exhibition Game, and Houdan, can be done by Mr. Thompson for the Cornish Indian, but the secretary cannot be expected to do it all. We should give him the support he deserves.

L. B. RICHARDSON.

Chicago, April 2, 1899.

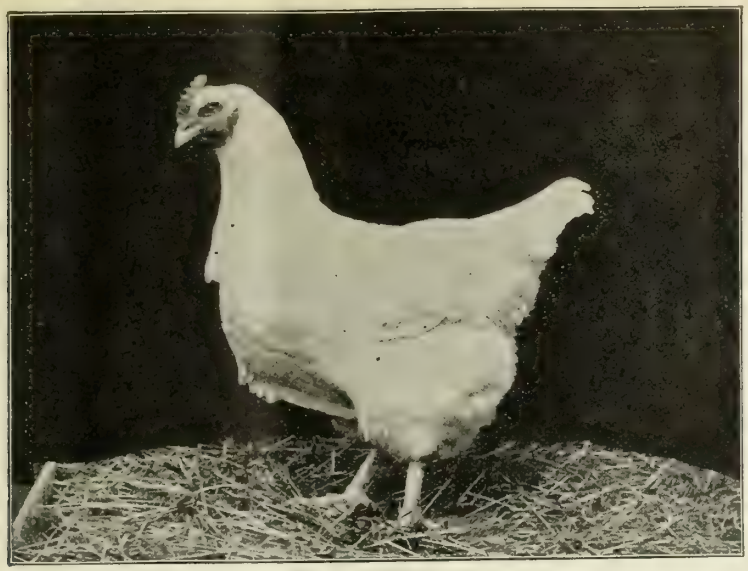
CORNISH INDIAN GAME.

When Americans took up the Indian Game, we recognized in it the best table fowl. We are not claiming any share in its manufacture, but we presume to recognize merit when we see it as quickly as any other nation. The Cornish Indian is really an English institution, but it is largely due to the unprecedented demands made by us on the English fancy that these fowls have been kept in the front, and as a breed, kept growing in the country where it was first "discovered." Cornish Indians had been winning the "dressed class" prizes at the representative English shows, accounts of which appeared in the English poultry prints. We were not long in importing some of the best specimens. H. S. Babcock, Dr. Clarke, Adam Thompson, James Mowry, and Mr. Sharp were among the first importers and had much to do with giving these fowls a chance for a foothold here, which they readily and naturally acquired. Eight or ten years back a great many were imported, Mr. Sharp alone getting over ever so many, including some of the best English specimens, and it is not improbable that at one time three-fourths of the Cornish Indians in this country were from his Lockport yards. While the breed was enjoying such a boom with us, many were the predictions that the time would speedily arrive when it would disappear, forever. But the breed, if not the boom, is still with us, and, providing the Standard makers do not in time "evolve" it into a race of storks, it is destined, I predict, to remain a pure breed with us as long as the Standard itself shall stand, poultry shows continue to exist, and the American people prefer solid meat instead of "market fowls," composed of flabby, tasteless flesh.

I don't breed Cornish Indian Games and have none for sale, but I have bred them and know a good one. I know that when well bred they are all that I claim for them—large, yellow skinned, plump breasted table fowls; when cooked, tender, juicy and delicious. I have handled, dressed, cooked and eaten them and that is why I know. Certain of our American breeders have believed, evidently, that the Cornish Indian should have very long legs, back and neck, without much else, save "black" breasts in the cocks, and numerous "lacings" in the females. These breeders seemingly think because the Exhibition Game has been brought to its present state of perfection (?) by a series of elongations that the subject of my notes must be bred along the same lines. If there were enough of these fellows I should not doubt the accuracy of the predictions made, that the breed had seen its best day. But, fortunately, we have among the leading breeders of the variety some men who have proper conceptions not only of the true type, but of the requirements in a fowl that depends upon its table qualities for its existence. As shown, it was because of these qualities that the breed is now so well known. If these qualities are not retained, its popularity will soon wane.

In breeding, proper type should be the first consideration. A stout head, without coarseness, is my motto. Never breed red eyes. The proper color is light. Pearl or "daw" will do. They show the oriental blood. Necks and legs should be only medium in length, while the back should be short, but as broad as possible. Keep the carriage as erect as you can and tail down. The closer and more lustrous the plumage, the better. Quality of plumage is of more importance than color. Avoid too many lacings on the hens, but see that they are clearly defined and cover her as nearly as possible. A few laced feathers on breast and back won't suffice.

F. H. GRAVES.



A 96-POINT WHITE PLYMOUTH ROCK HEN.
Winner of First Prize in Pen at Chicago show, '99. Bred and owned by U R. Fishel, Hope, Ind.

FISHEL'S WHITE ROCK HEN.

The illustration here given shows U. R. Fishel's White Plymouth Rock hen "Mamie," which was scored, at two years of age, by B. N. Pierce, at 96 points. This splendid specimen was bred by Mr. Fishel at his yards in Hope, Ind., and is still in one of his yards at that place.

GETTING DOWN TO BEDROCK.

There's a good deal of theory and theorizing in the poultry business, and fancy poultry "kranks" world without end. But there is one man, who is well known to the writer, who has dug down below it all. He has struck bed-rock, and his poultry business is now resting on a sure foundation. Eggs are his specialty—eggs in winter, when the crop is short and the price is good.

Said he to me one day: "I sum up the question of profit in poultry culture, so far as eggs go, in three words. They are: Warmth and work. A warm hen, and a busy one, will lay. Maintain these conditions and you will get eggs."

He has a stone henhouse—one built of cheap, rough stones, concrete, etc., with a shingle roof, that is ceiled beneath and packed between with straw. In this sort of a house his hens went through blizzards that sent the mercury down to twenty-five degrees below zero without any frosted combs, and with a good supply of eggs daily. From 75 pullets, mostly Brown Leghorns, he got 35 to 45 eggs a day in midwinter, and he cleared over one dollar a day from his pullets and two cows, during December, January and February, whereas his farmer neighbors cleared nothing.

Now, this I know to be a fact; and I say there is more glory in a success so great than there is in having the first prize pen of Leghorns at the New York or Chicago shows.

His system is a simple one. He simply has a henhouse that is frost-proof, and a system of feeding that exercises his hens. He feeds wheat, oats and cracked corn, in litter that his pullets are constantly working over and over. He feeds cut clover and pea-vine hay, crushed bone, sharp grit, and gives water that is slightly warm on cold days.

This system makes healthy fowls and it makes them lay. The basis of his success is the warm henhouse, and the necessity to scratch for a living, that ever confronts his hens.

The coming season he will more than double his henhouse, and his flock, in size. He has a system that pays, and he has it well in hand.

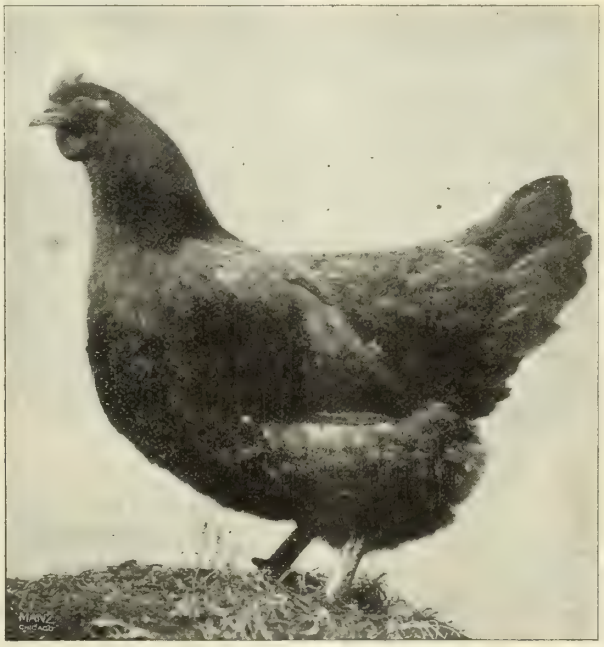
H. B. GEER.

Nashville, Tenn.

This is the season when poultrymen are preparing to get their chicks out of doors, and in order to do this, find it necessary to have a well constructed outdoor brooder. Such a brooder is made by The Cypher's Incubator Co., of Wayland, N. Y. This outdoor brooder is constructed on purely scientific principles, embodying valuable features found in no other. Many customers have raised 100 per cent. with it. The Cyphers outdoor brooder is 5x3 feet, with a commodious yard run; well lighted and ventilated; has top heat with a perfect diffusion; is absolutely safe from fire, and is covered with a metal roof, making it waterproof. Everything necessary for operating accompanies the brooder.

Write the Cyphers Co. for description and prices of this and also of their splendid 60-egg incubator, the counterpart of their large machines.

Lewis C. Beatty of Washington, N. J. (Box 76), has a few changes in his cut prices on eggs in this issue. He advertises 20 different varieties and has 29 years' experience.



"Buff Queen," first Buff P. Rock pullet at Sycamore, O., Dec , '99, and Carey, O., Jan., '99. Score 94. Bred and owned by J. L. Yohe, Carey, Ohio. .

CHICAGO POULTRY SUPPLY HOUSE

We carry in stock every description of Poultry Supplies. Incubators, Brooders, Bone Cutters, Oyster Shells, Grits, Blood Meal, Peas, Millet Seed, Beef Scraps, Coops, Drinking Fountains, Lice Killers, Roup Cures. Buy of us and save the freight from eastern points. Send for catalogue.

F. S. BURCH & CO.,
178 Michigan st., Chicago, Ill

THE AMERICAN POULTRY JOURNAL

Published the first of each month by
MORGAN BATES & CO.

Entered at the postoffice at Chicago, Ill., as mail matter of the second class.

Subscription price 50 cents a year in advance.
When delivered by carrier in Chicago 75 cts. a year in advance.
Payment for AMERICAN POULTRY JOURNAL, when sent by mail, should be made by money order, registered letter, bank draft or express money order.
Stamps can be sent for small amounts.
Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a faver by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

All copy for advertising and manuscripts for publication should reach us not later than the 20th of the month preceding the date of issue.

NEITHER BOOM NOR FAD.

The unprecedented interest shown in poultry at the present time is not the result of particular effort by either the press or the breeders. It is neither a boom by a faction, nor a fad by a few fanciers. It is, on the contrary, a legitimate growth of a profit-bearing industry. The basis is sound, firm and enduring. The manifestation is grounded on substantial reasons.

There must be a demand for any class of product before there can be formed a systematic plan of supply. The call meets with response. This is, in briefest statement, an explanation of the truly phenomenal work being carried on today by the poultrymen of America. A market exists for all the stock that can be raised.

With the extension of the trade comes a new requirement—the improvement in quality of goods offered. Buyers of table fowls and eggs insist upon the very best grades. Thus one phase of the question suggests another, and all elements co-operate to the end most desired.

Among the breeders of poultry the spirit of emulation obtains. Once a breeder, soon a fancier. So in very short space of time we have the ranks of the intelligent admirers of fine poultry increased by recruits to the "fancy." No man can raise even the commonest fowls without perceiving wherein they may be improved; and experience speedily teaches him that to improve the flock is to improve the net profit. The industry can not be overdone, since the larger the supply the greater the appetite. One good fowl on the table creates a taste for more of its kind. The product is literally consumed, and "appetite grows by what it feeds on."

The ease with which fowls can be raised, as a diversion and wholesome avocation, by professional men and all other classes of home-owners, increases the demand when once the fact is appreciated. And such breeders call for the very best specimens short of actual show birds. This, in turn, makes a market for stock of fair value, say in the $10 and $15 class. Fanciers find a steady request for their medium prize-winners.

The farmers are fast coming to accept the truth of the declaration that good poultry pays. Here we have a market for birds in the $5 and $10 class. It pays to breed them at that rate.

Look where we may, we see encouraging indications of a developing industry. American Poultry Journal has this year added more names to its subscription list than ever before in one season. As a result of this fact our advertising pages are kept filled far beyond the customary season of sales. Heretofore the "busy" time has generally terminated March 1, but now there appears to be no evidence of a special subscription season. We look for a steady growth through the summer months, and we confidently believe that the fall trade will open at a point never realized before.

If our readers, thousands of whom are personally unknown to us, will do us the favor to feel that we are individually concerned in their welfare as poultry raisers, we shall esteem the act as an especial honor. They should feel free to write letters and ask questions. This business is interdependent. We owe our success to the subscribers, and consequently we want them to understand that they are the ones nearest to us. The Journal is conducted for them. Let us be truly a fraternity.

A. P. J.'S SECOND SUBSCRIPTION CONTEST CLOSED APRIL 1st, 1899.

E. H. Epperson, Champaign, Ill., won 1st prize in the 2nd fowl contest and selected a Barred Plymouth Rock cockerel and Barred Plymouth Rock pullet to the value of $15.00 from E. B. Thompson, Amenia, N. Y., having won with 120 subscriptions.

C. A. Sparks, No. Topeka, Kas., won 2nd prize and selected as prize 3 sittings of Barred Plymouth Rock eggs at a value of $10.00 from A. C. Hawkins, Lancaster, Mass., he having won with 100 subscriptions.

A. P. J.'S THIRD SUBSCRIPTION CONTEST WITH GRAND PRIZES OF SITTINGS OF EGGS. CONTEST CLOSED APRIL 10th, 1899.

A. P. J.'s subscription contests have been very successful and spirited.

The grand prizes in the last contest consisted of sittings of eggs, the winners having the privilege of selecting the variety and from whom to be ordered from among A. P. J.'s advertisers.

The following is the result:

T. E. Stake, Bellbrook, O., 90 subscriptions, $5.00 sitting of Buff Plymouth Rock eggs from A. C. Hawkins, Lancaster, Mass.

Edward W. Brunk, Delavan, Wis., 49 subscriptions, $5.00 sitting of Barred Plymouth Rock eggs from A. C. Hawkins, Lancaster, Mass.

Geo. D. Crawford, Wallingford, Ill., 40 subscriptions, $5.00 sitting of Barred Plymouth Rock Eggs from A. C. Hawkins, Lancaster, Mass.

Geo. E. Duncan, Washington, Ind., 34 subscriptions, $5.00 sitting of White Plymouth Rock eggs from U. R. Fishel, Hope, Ind.

Jas. E. Dosser, 1006 Broadway, Knoxville, Tenn., 33 subscriptions, $3.00 sitting of Buff Plymouth Rock eggs from J. W. Miller Co., Freeport, Ill.

A. F. Tanner, Jefferson City, Mo., 29 subscriptions, $3.00 sitting of White Indian Game eggs from J. A. Leland, Springfield, Ill.

Margaret J. Thompson, Indiana, Pa., 24 subscriptions, $2.00 sitting of Partridge Wyandotte eggs from W. A. Doolittle, Sabetha, Kas.

B. W. Burton, Blue Island, Ill., 28 subscriptions, $2.00 sitting of Buff Leghorn eggs from Wm. Rudi, Bourbon, Ind.

Fred Funk, El Dara, Ill., 21 subscriptions, $1.50 sitting of Silver Laced Wyandotte eggs from J. I. De Lancey, Elgin, Ill.

David Pollock, Fairmont, Neb., 21 subscriptions, sitting of Buff Plymouth Rock eggs from L. B. Hanna, Columbus City, Ia.

E. H. EPPERSON.

The above is the portrait of E. H. Epperson, of Champaign, Ill., who was the 1st prize winner in A. P. J.'s second subscription contest which closed April 1st, 1899. In this contest Mr. Epperson won the 1st prize of $15.00 with 120 yearly subscriptions to A. P. J. He selected a Barred Plymouth Rock cockerel and pullet from E. B. Thompson, Amenia, N. Y. Mr. Epperson is a breeder of Barred Plymouth Rocks and Mammoth Bronze Turkeys. His fowls have the range of his farm lying 3½ miles from Champaign. He modestly writes "he is no spring chicken," but we can assure A. P. J. readers that he is a hustler in all seasons. He proudly wears a G. A. R. button which tells its story.

L. W. Mittendorff, the Buff Plymouth Rock man, of Lincoln, Ill., writes that his stock is in splendid condition. He is offering exceptionally low prices for May and June on eggs.

THE FARMER'S GREAT DUTY.

Essays on poultry culture are now a regular feature of the programs of Farmers' Institutes and conventions. The science and art of agriculture are themes to engage the attention of the best minds. The time has come for a more specific study of methods on the farm. Colleges of agriculeure are returning values for the faith and money invested in them. That is to say, the point now reached by the people of this country in the progress of social evolution is the realization that success and prosperity, with attendant happiness, depends upon the doing of minor things well. During the first century of the Republic there was always the recourse of an undeveloped region to the westward. The impulse to move with the sun was active in the blood. Each new generation instinctively obeyed this transmitted tendency.

But at last the western limit is reached, as far as the sober, practical mind is concerned; and while the impulse still exists, impelling the nation into the questionable policy of remote territorial expansion, the fact confronts us that we must adopt the agricultural methods of the older nations, no less than their war methods, if we would continue in greatness.

The Journal is aware that the columns of a technical magazine are not suited to the discussion of questions appertaining to governmental policies. These cannot be allowed differences of opinion, political or sectarian. We are all brothers. But we can debate the problems how to extract the largest yields from field and flock.

The American producer must learn the manner of those who cultivate thoroughly. As population increases and vast "trusts" combine to monopolize trade and commerce, the poor man must become self-dependent by supplying his individual needs. He will be forced into contentment with moderate earnings. This is the social law, deny it though we may. This nation is at the threshold of a transition. We must accept the fact that boastfulness and egotism—that greed and avarice—are human attributes. We are great only because a continent is ours; at heart we are no greater than other nations. We are weak in our selfishness and dishonesty, one to another. The dawn of a new era was recorded one year ago, and the salvation of this people depends upon something more than applause at the during of rough riders or the arbitrary conduct of an admiral.

The people who heed the lessons which properly belong to our province; the people who skilfully cultivate small holdings; the people who resist the temptation to become Napoleons of trade, are the ones who will form the surviving foundations of a newer Republic and demonstrate—if it may be done—the truth of Lincoln's hope that a government of the people and by the people shall not perish.

The "embattled farmers" are destined yet to endure their gravest contest. Having proclaimed their purpose at Concord; having maintained it with foreign powers; having sustained the national idea in civil conflict; having sanctioned the conduct of the present administration in an unprecedented issue of sentiment, the people are still to face tne enigma of their own excuse for being, and join in the work of deciding whether this government is an experiment of an hour or a social truth for generations to come.

The verdict will turn largely on the intelligent use of present opportunities by the farming and working people. We are glad to welcome reports from communities given to the habit of holding institutes and conventions.

At a Farmers' Convention held in Mitchell, Ind., February 9, a paper was read by Sarah E. Franklin of Bedford, Ind. This lady gives her experience with fowls:

"We moved to our present home May 28, 1898. There were two lots; south of these were two more, separated by an alley. All were enclosed by a high paling and divided into eight parks, communicating by gates. The place was designed by one who had gone into the poultry business and failed. There are two houses, 40 by 12 feet, front south, properly lighted, and protected. The parks are 80 by 30 feet, with grass. The capacity is 200 fowls. The houses are 30 feet apart, in the center of the parks." In this desirable place, profitable flocks are raised. The success is unquestionable, owing to the care bestowed upon them. There is nothing new in the description of this venture. We cite it simply to show what may be done by an intelligent woman in the poultry yard.

Rev. John Hughes of Table Grove, Ill., read a paper before the Farmers' Institute at Vermont, Ill., last February. The Table Grove Herald printed the essay in full. This is a commendable fact, which we suggest to all who prepare such articles. Local interest can be increased by showing the magnitude of the industry through well arranged compilations of statistics. Mr. Hughes states that one man in Table Grove paid out $12,952 in nine months, March to November, 1898, in that community for poultry and eggs for shipment. This was almost clear profit to the farmers. Mr. Hughes, who is famous for his White Rocks, gave advice to his neighbors on the raising and care of poultry. The opinions of a successful breeder are more effective than those of the general press, because of the influence of personality and example. Farmers' Institutes should provide for at least one such paper at each convention.

Anybody

can get good hatches from fertile eggs, providing they know how to go about it. In the first place, fertile eggs are the product of clean, healthy hens, such that are dusted frequently with Lambert's Death to Lice. My Barred Plymouth Rocks lay in it, roost over it, and some of my customers report a chicken from every egg in the sitting.

Any Hen

will set and do her duty well, if she is actually broody and you keep her free from vermin by frequent dustings with Lambert's Death to Lice. It is not necessary to remove her from the nest to do this. Sprinkle the powder among her feathers as she ruffles them at being approached. This insecticide is the one that never injures the eggs in any way or little chickens should they hatch in it.

Any Chickens

are liable to get head lice, no matter how clean you may keep them. These little blood suckers kill more young peepers than any other one thing in the business. This is why I have prepared a "Death to Lice Ointment," to kill the lice and save the chick. If your broods are drooping look on top of their heads and see what you see. A 10c box of Ointment will fix 100 chickens. A 25c box 300. We send both sizes post paid upon receipt of price.

Other Remedies.

"Death to Lice Powder," for dusting fowls and sitters—5 oz. sample 10c, postpaid; 48 oz., 50c; 100 oz., $1.00, by express from here or nearest agency. "Special," for making a liquid louse or mite killer, 4 oz., enough for one quart, 10c; 16 oz 40c, post-paid.

Agents wanted. Outfit $3. Books, circulars and instructions "How to Set a Hen," sent free.

D. J. LAMBERT,

Box 308. Apponaug, R. I.

It is Getting Late in the Season

Hens set after this month are not likely to be as successful in raising their broods as hens set now. If you want

White Wyandotte Eggs

that are sure to hatch well and that are sure to hatch chicks which will mature into fine large White Wyandottes of the very best stock send for my eggs which are $1.25 per sitting of 13.

GEO. H. PHILLIPS, Box 320, Villa Ridge, Ill.

National Fanciers' Association of Chicago

NATIONAL FANCIERS' ASSOCIATION.

At the regular monthly meeting held in the Sherman House, April 5, it was decided to extend an invitation to the American Poultry Association to hold their next meeting in Chicago at the time of the fourth annual exhibition, January 9 to 13, 1900.

A spirited discussion on the question of score cards and comparison judges between the advocates of the two methods was indulged in, and on motion the matter was laid over until the next regular meeting, the first Wednesday evening in May, when a decision of that question will be arrived at. It is also expected at that meeting to decide on judges for the next exhibition.

PERMANENT POULTRY AND PIGEON EXHIBIT FOR CHICAGO.

At the March meeting of the National Fanciers' Association a suggestion was made that steps be taken with a view to establishing a permanent display of thoroughbred poultry and pigeons in the zoological department at Lincoln Park, and while no formal action has been taken, some correspondence (as well as an interview) has been had with the president of the board of park commissioners. We are encouraged to believe that a formal proposition from the Association will be favorably considered by the commission.

The proposition suggested is that the Association, with the aid of individual members, loan or donate to the Park a pair or trio of each variety of poultry and pigeons, so far as possible; these to be retained by the Park or returned late in the fall to the party furnishing them, as may be determined upon. The Park commission to furnish attractive and suitable quarters for the display of the birds and give them the good care which their experienced animal and bird keepers will be able to do.

It is not expected that members of the Association will furnish extremely valuable or rare birds, unless they so desire, but good representatives of each variety—birds that a breeder would be glad to tell a patron were from his flock should be in the display.

It is not expected that the individual members furnishing specimens will reap a great deal of direct benefit, but the display as a whole will be an aid in furthering the object of this Association, which, according to its constitution, is "To stimulate and encourage the interest in breeding pure bred poultry, pigeons and pet stock."

The proposed display will be in a portion of the park that is visited every pleasant day by many thousands of visitors both from Chicago and vicinity and from a distance, and it is believed that there is nothing outside of our annual show that will create such an interest in thoroughbred stock; as we will in this way be able to show what thoroughbred birds are to many thousands of people that can be reached in no other way.

It is hoped that a free discussion of the matter will be had at our next meeting and that a formal proposition will be framed for presentation to the Park Board.

W. W. HOGLE, President.

HAVE WON

their share of premiums in the show room. Rich golden, up-to-date stock and Buff all over. Wilson, Burdick & Joslin strains. Cheapest eggs in the market, considering quality. Eggs, $1.50 per 13, or $3 per 30. Write for circular, it tells the rest,

WM. H. HALTEMAN,

East Coventry, Pa.

Eggs, Eggs, Eggs.

BANNER EGG FOOD and TONIC

is the greatest egg producer ever known.

We Sold Over 5000 1-lb. Cans in 1898.

It also helps the hens through the moulting period and starts them laying early in the fall, when eggs are scare and prices are high. Price, 25c per 1-lb. can; 5 cans $1. Small sample mailed free. Our immense 1899 illustrated catalogue mailed free if you mention you saw this ad in American Poultry Journal.

Excelsior Wire & Poultry Supply Co.,

28 Vesey st., New York City.

W. V. RUSS, Prop.

Eggs From "Ringlet" Bar. P. Rocks.

Good size and shape, large, yellow legs and low, evenly serrated combs, $1 per 13. Also from W. P. Rocks and S-c. Black Minorcas, $1.25 and $1.50 per 13.

J. B. MOSLEY. Austell, Ga.

NORTH SIDE POULTRY YARDS.

Silver and Buff Wyandottes.

Having decided not to carry over all of our breeders we will dispose of four pens of Silvers and two pens of Buffs of this year's breeders. This is your chance to secure some choice breeders at a bargain. Write for prices. We still have a few '98 and '97 hatched birds for sale. If you want your chicks to do well and make winners raise them on Spratt's Patent Chick Meal. Write your wants.

A. & E. TARBOX, BOX A 5, YORKVILLE, ILL.

Eggs at Half Price.

For the months of May and June we will sell eggs at about half price, and therefore make the following quotations:

B. Langshans, $1 to $2 50 per 13. B. Plymouth Rocks, $1 per 15.
Light Brahmas, $1 and $2 per 13
S-c. Brown Leghorns, $1 and $1.50 per 15.
Partridge Cochins, $1.50 per 13.
Pekin Ducks, $1 per 11; $6 per 100.

In addition to the above we make

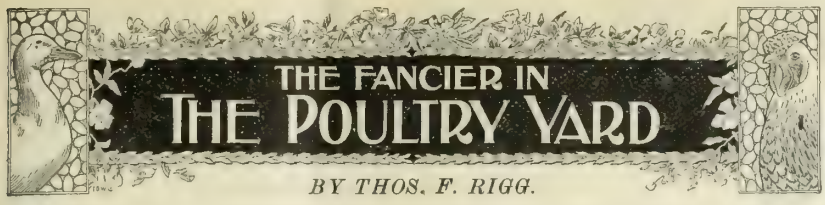
Special Figures on 100 Egg Lots.

We also have choice females of above varieties, in any number, for sale. A choice lot of Light Brahma cockerels at $2 to $3 each. Each is the best of its kind. Don't forget that we are the **originators of the famous Cyclone Strain of Langshans.** Write for what you want, we can supply you.

H. C. ECKERT & SON, Box A, Belleville, Ill.

HIGLEY'S LIGHT BRAHMAS

Winners of more prizes at the great Chicago show in 1897-98-99, than any other strain. Eggs, $4.00 per 13, $7.00 per 26, $9.00 per 39. Eight grand matings. Send for catalogue. WILLOWHURST BRAHMA YARDS, CEDAR RAPIDS, IOWA.



BY THOS. F. RIGG.

This month we ought to be able to allow the chicks free range, except in the early morning. The early hatched chicks should be strong and "coming on" well now, and are, if they have had the proper care. The fancier who overcame the obstacles occasioned by a remarkably cold winter and late spring, secured a fairly good number of early chicks, and kept them properly housed, can feel that for all his labor and expense he is now well repaid. It is such men who will be in position to supply the demand for early show birds. Show birds are going to be worth more money this fall and winter than they have been for some years past. I have read several times of late a statement to the effect that "the man who has a goodly number of March and April chicks this season has been a lucky man." I do not believe it—do not believe there is anything in "luck" in connection with the results obtained by a fancier. I have found out that whenever I have made a mistake or neglected to do a thing which should have been done, "luck" has not once come to my rescue, but I have had to pay the penalty. This year is to be an exceptionally profitable year for the fancier who will depend upon brains and work for results. It is good business policy to this season make a special effort to raise extra choice stock—quality, not quantity. Those who do this will, in the very nature of things, be with a vast minority, and, as a result, the extra choice stock next fall will be in the hands of a very few—not a favored few, but those who have been wise enough and industrious enough to take advantage of a condition. In these days of keen competition, with the opportunity for every fancier to carry his announcement to every one nearly interested in standard-bred fowls, the fancier who succeeds in supplying the market at the proper time with a superior article is the one who mixes brains and hard work with his business in the production of that article. Be in a position this fall, my fellow fancier, to supply the demand for the up-to-standard weight and properly marked show birds. You will not be in a very large company, but you can name your own price.

COLOR DISQUALIFICATION.

W. K. Eastman, Cincinnati, Ohio, in a personal letter, says: "* * * Saw your reference to the case wherein Judge Russell disqualified a White Plymouth Rock female at the Chicago show because she had one black feather in plumage. Is this right? I notice that U. R. Fischel says that this bird—think it was a pullet—is in one of his pens and that he would not sell her for $50. Now, it seems to me, that either Judge Russell or Mr. Fischel or the Standard is wrong, inasmuch as this is a disqualified bird. Would you breed from a like bird?"

Mr. Eastman opens up the whole question of color disqualification. It is what may be called a "big" question, and one upon which the very best fanciers are divided. A discussion of this question here at this time would be of no benefit to the fraternity. Let us take the individual case cited by Mr. Eastman and see what we can see.

We will take his questions in rotation: Was Judge Russell wrong or right in disqualifying this W. P. Rock specimen because of one black feather in plumage?

Of course he was right. Judge Russell, by the way, is usually right. Under head of "General Disqualification" the Standard says:

"In all white varieties any feather in a specimen having black or red in any part of plumage."

Judge Russell's duty was plain and he performed his duty. Regardless of what my idea may be as to the right or wrong of any specific requirement of the Standard, I believe in following the law to the letter. I may now and then differ with the law-making power of the American Poultry Association, but when a law has been legally adopted I believe in judges rigidly obeying that law. If a law is wrong it should be repealed at the proper time and place. Now, as to whether or not this W. P. Rock female should be used as a breeder. I most certainly would highly prize this specimen as a breeder. I saw this bird, and she is one of the grandest W. P. Rocks ever produced. When Judge Russell quit on her he had her marked at 96½ or 96¼. The fact that in her plumage a black feather (remember, we are not discussing brown feathers) was found is conclusive evidence that she is a genuine Plymouth Rock. She is grand in that essential requirement, shape—true Rock—and exceptionally good in all other sections. Why discard such a valuable specimen because she carried one small black feather, the stamp of the source from which her ancestors must have sprung—the genuine Plymouth Rock? But Mr. Fischel's judgment as a breeder of W. R. Rocks ought to be conclusive evidence that this bird is a valuable breeder. I would say to Mr. Eastman that Judge Russell and Mr. Fischel are both right. And that ought to give him my idea of this section of the Standard.

———o———

The proposition to create a permanent exhibit of poultry in Lincoln Park, Chicago, should meet with hearty endorsement by breeders. President Hogle defines the idea elsewhere in this issue. Dr. P. M. Woodworth, President of the Board of Park Commissioners, approves of the plan.

B. G. SMITH, Elmira, N. Y., - White Leghorns, White Wyandottes.

B G Smith, Elmira, N. Y., Rose and Single-comb White Leghorns and White Wyandottes.

Reliable Breeders' Directory

OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.
C. H. C. Anderson, Carlinville, Ill.
John H. Ryan, L. B. 195 Monticello, Ill.
A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minorcas.
H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.
C. H. C. Anderson, Carlinville, Ill.
E. E. Paris, Washington. Ill.
Chas. L. Gierhart, Tiffin, O.
(E. B. Thompson strain.)

R-c. B. Leghorns.
W. C. Jackson, So. Bend, Ind. 2-1

White Wonders.
J. M. Culver, Peterboro, N. H.

B. B. R. Games.
J. C. Pratt, Agent.
Residence and Yards, La Grange, Ill.
Office, U. S. Sub Treasury, Chicago, Ill.

Houdans.
John M. Wise, Freeport, Ill. 4-99-1yr

Japanese Silky.
Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.
S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.
S. D. Mandeville, Sidney, Ill.

Indian Runner Ducks.
Ber'd McCaffrey, Steubenville, O. 9-98-1y

Rose-Comb Br. Leghorns.

Eggs $1 per 13,

From good, prize winning stock.

POPE & POPE,
Louisville, Ky.

WHITE PLYMOUTH ROCKS,

Embden Geese.

Five cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.

TILLMAN EASLEY,
Box E, Newmarket, Ind.

Buff Bargains.

200 Buff Leghorns. Females $2 and $3 males $2, $3 and $5. Eggs of Buff Rocks, Buff Leghorns and Mammoth Bronze Turkeys. Circular and price list free.

S. J. B. DUNBAR, Elkhorn, Wis.

None Better.

Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.

D. T. HEIMLICH,
Jacksonville, Ill.

AFTER THE STORM IS OVER

We find we have 25 ckls. with combs more or less damaged by frost. We offer them at $2 each. All fine

NORTHUP STRAIN BLACK MINORCAS.

Worth several times the price for breeding purposes. Other stock at right prices. Eggs that will hatch, from best pens $2 per 13; $3.50 per 28; $5 per 45. Scottish Terrier puppies, registered in purchaser's name, $5 and up.

CORN BELT MINORCA YARDS,
A. A. Christie, Mgr., Smithland, Iowa.

500 Fine Breeders for Sale from our Yards.

Bronze Turkeys, Barred and White Plymouth Rocks, White and Silver Wyandottes, Brown and White Leghorns.

FROM 40 SELECTED BREEDING PENS.

Large, Vigorous, Finely Marked. Sure to Improve your Stock. 25 Years' Experience in Mating and Breeding.

Eggs for Sale at all Times. Pairs, Trios and Pens Mated for best Results. Valuable ILLUSTRATED CIRCULAR Showing Matings, Prices, Plans for Poultry House and Yards Just Fro. Jersey Cattle, of the highest breeding for sale.

"MISS COLUMBIA." Weight 14 Lbs. at 9 mo.

Address F. M. MUNCER, De Kalb, Illinois.

HEN WANTS.

If you want your hens to be profitable you must supply them with the necessary food and appliances—working material. We handle a most full and complete **POULTRY SUPPLIES** embracing everything from a poultry bit to an incubator. We mail **FREE** a large illustrated catalogue containing full description and prices to all interested inquirers.

HARVEY SEED CO., 30 Ellicott Street, Buffalo, N. Y.

DOLLAR EGGS

After June 1st., eggs from all yards **One Dollar per 15** from our best prize stock and packed with same care that early orders received at full price.

OUR BREEDS: Barred, White and Buff Pl. Rocks, Lt. Brahmas, Langshans, Buff Cochins, White Wyandottes, Buff and Brown Leghorns, Pekin Ducks. Fifteen years a successful breeder.

POULTRY SUPPLIES!

Biggest, best and cheapest stock in the United States.

Nissly's Poultry Annual and catalogue of **"Everything for the Poultry Yard"** is a 100-page book, illustrated and full of information, valuable chapters on feed and care of poultry, treatment of diseases, etc., and tells all about **"Michigan Poultry Farm"** its stock, etc. Don't miss it. **Sent for 4c. in stamps.** Address,

GEO. J. NISSLY,
11 Adrian St., Saline, Mich.

Hatch Chickens

BY THE HUNDRED

WITH THE IMPROVED

VICTOR INCUBATOR

It is a pleasure to operate, absolutely self-reculating, needs no watching during day or night. Its hatching qualities are second to none. Thousands in successful operation; the simplest, most durable and cheapest first-class Hatcher in the market. A written guarantee is sent with each machine to be as represented or money refunded. Circular **free.** Catalogue 4 cents. Address

GEO. ERTEL CO., Patentee & Mfg.,
Established 1867. **QUINCY, ILL., U.S.A.**

Eggs! Eggs! Eggs!

From .....

Barred Plymouth Rocks,

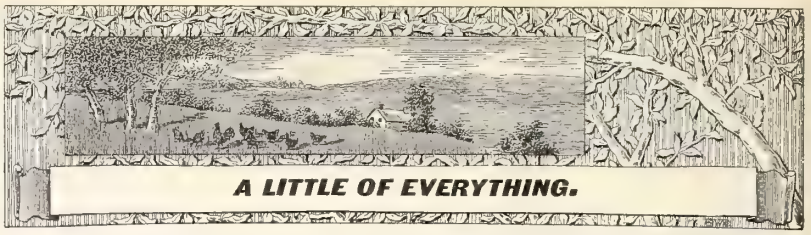
.....***Only.***

I will sell a limited number of sittings to produce choicest show birds for next season.

My birds are mated by Mr. P. H. Scudder who has officiated as judge of this variety at New York for several years past

Only six of those grand cockerels left for sale, cheap if taken soon.

R. W. DURYEA,
Great River, L. I. N. Y.



A LITTLE OF EVERYTHING.

A. C. Grock, Nevada.—Your inquiry regarding leg weakness is answered by Dr. Sanborn in this issue. See his paper on diseases.

G. C. Flegel, Westville, Ind.—Don't feed mash to young chicks. Give them steel-cut oats, cracked corn, wheat and granulated bone, and a feed of lean beef twice a week.

D. J. Lambert, Apponaug, R. I.—Eggs are proving very fertile this spring. The reason that I assign for this is that we are cooping the male bird a part of each day, and feeding him up. If left with the females all day long he will not get enough to eat unless we overfeed the hens at same time. Plymouth Rocks are a breed that will not stand feeding too much. The demand for eggs for hatching has been brisk for April, but the weather was so winterish in March that hens refused to sit and fanciers did not wish to buy until they had broody hens to incubate them.

C. M. Davidson, Chicago Lawn, Ill.—I sow an abundance of Russian sunflower seed every spring in corners and along fences dividing the runs, allowing my Brown Leghorns to gather the crop in the fall. In this way that brilliancy of color so much desired is secured, while during the hot months the broad leaves of this noble plant make additional shady spots much appreciated by the growing stock.

L. H. Waisner, 500 12th av., Milwaukee, Wis.—Before giving eggs to a sitting hen I get her as tame as possible. By so doing, run less risk of having eggs broken. For newly hatched chicks don't forget to let them run about ten minutes, where fine sharp sand has been sprinkled before feeding them. This may be old to some, but new to many.

R. D. Burnham, Champaign, Ill.—Just had a hatch of 50 per cent from eggs that were abandoned by hen on eighteenth day of incubation, and apparently thoroughly chilled before noticed. Placed them under another hen and got hatch on twenty-third day. Had no hopes of success, but thought I would experiment. Eggs were White Cochin, hatched under Barred P. R.

Paul B. Harshman, Sullivan, Ill.—The way I feed brooder chicks: Give light bread crumbs the first meal; then chopped boiled eggs with a little oatmeal mixed in for two days. Have millet seed scattered in their runs to encourage exercise. Then corn bread until three or four weeks old. After 10 days give some ground cracklings twice a week. I save unfertile eggs from the incubator for this purpose. Have had chicks weigh over 2½ pounds at 10 weeks. My experience is that the White Plymouth Rocks grow faster than the Barred.

The Mascotte Incubator and Lumber Co., Bedford, O.—It is very important at this season of the year that the breeding stock have plenty of yard room and if possible grass runs. To insure fertility of eggs and vigorous, strong chicks, more depends on this for a successful year's business in young stock than many breeders realize.

John L. Waddell, Chestnut, Ill.—Several breeders report having had egg-baskets opened and eggs stolen while in transit. Express companies should be notified and asked to detect the thief. What say your readers? The Journal has improved with each issue. Advertisers are well pleased with results.

E. E. Greer, Beatrice, Neb.—My birds are doing finely. I am looking for a good trade, in spite of delay in warm weather. [Mr. Greer is one of our old advertisers. Notice his ad in this issue.]

Geo. H. Phillips, Villa Ridge, Ill.—Examine sitting hens for lice just before the eggs begin to hatch. See if there are lice eggs around quills of fluff feathers. If so, cut feathers close and grease bare spot.

C. F. Lange, La Crosse, Wis.—Don't put eggs for hatching in a cellar that is below 40 degrees.

Geo. O. Anderson, Homer, Ind.—Egg trade is good. Never had better hatches. Am feeding rolled oats to chicks. Hens are beating incubators at start. Will some one give experience with natural gas under incubator?

M. M. Willett, Plymouth, Mich.—Give chicks bread for two or three days, then moist (not wet) corn meal until old enough to eat whole wheat.

H. B. Geer, Nashville, Tenn.—Season very late here—fully six weeks. Blizzard in February frosted unprotected chicks clear to the gulf, and made early layers and sitters scarce. April 14 shows a little warmer.

Horace R. Burt, Austin, Texas.—Eggs shipped far should be allowed to stand unpacked and rest 24 hours. Sulphur fed once a week in corn meal will increase hatching—tablespoonful to cup of meal for 10 hens.

L. H. Edwards, Lafayette, Ind.—Never allow the breeding birds to become wild or easily excited. The nervous hen never makes a good sitter or mother. She will quit laying on the slightest provocation and is generally unprofitable, although she may be of high breeding and a fine looking bird. I am much pleased with A. P. J. and the results of my ad.

A. H. Hill, Wenona, Ill.—If you want healthy chicks, feed Darling & Co.'s poultry foods and give plenty of grit, allowing abundant exercise and pure fresh water.

A. C. Hawkins, Lancaster, Mass.—Do not give the hen more than 10 chicks in March and April. They can cover 12 to 15 in May and June. If

B. G. Smith, Elmira, N. Y., White Wyandottes, White Leghorns—Rose and Single-comb.

they get chilled it checks growth and they are undersize at maturity. Feed six times a day until 4 weeks old, with cooked food. Corn, oats and wheat ground together and cooked in milk makes quick growth and fine feathers. Give plenty of range and fresh air.

H. F. Thomas, So. Charleston, O.—Don't stunt the chicks. Keep them growing by feeding regularly with good food, grit, charcoal, plenty of pure water. Keep them active and free from lice.

Tillman Easley, New Market, Ind.—Breeders are improving their places about here. The spirit of progress is shown. Weather has been good for chicks. I am soon to have a new poultry house completed. Trade has been good in W. P. Rocks and geese eggs, thanks to A. P. J. My incubator is working finely. There are 12 breeders of fine poultry near this town.

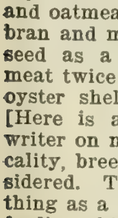
T. F. McGrew, 1267 Broadway, New York.—Snow here to April 3. Comparatively few chicks out. Weather very bad up to April 12 here and in New England. Egg trade light; stock sales good. Rocks and Wyandottes lead. Importations are being made and the winter shows are already being planned for by leading fanciers.

E. H. Epperson, Champaign, Ill.—I never feed chicks the first 48 hours. Want them to have grit in first feed. Keep them warm and give all the sunshine possible. I feed cooked mess, except wheat. Millet seed is the worst thing that can be given little chicks. A person asked me about cleaning—said he cleaned his house twice a year. He hadn't time to do it every morning, but his fowls did have lice—plenty of them. He thought poultry didn't pay.

H. D. Page, Ira, N. Y.—I place chicks in coops 2½ by 3, one foot high, with slat door at top. This is placed at south window. Put slats through center, which gives place for chicks' food and drink. Feed, after first 24 hours, bread crumbs and rolled crackers. After that time wheat and johnny cake. Boiled milk for drink. Plenty of grit and green stuff. Keep clean.

F. C. De Muth, Wheaton, Ill.—I feed dry food only to chicks—rolled oats and oatmeal as a base; johnny cake of bran and middlings; wheat and millet seed as a change; chopped cooked meat twice a week; plenty of grit and oyster shell. Have not lost a chick. [Here is a contradiction of another writer on millet seed. The fact is, locality, breed and habits are to be considered. There is absolutely no such thing as a fixed and invariable rule in feeding chicks.—Ed.]

The Bone Cutter Question.



is not: Is a bone cutter a good thing? (all agree that it is), but: Which is the best bone cutter to buy? Every user will answer: The Webster & Hannum cuts more bone and cuts it better than any other.

Only one hand required to operate. Self-feeding and regulating. We also make Clover Cutters and Stone Crushers.

Received only award at World's Fair, Chicago.

Booklet all about hens and how to make them lay, *free*. Send your address.

E. C. STEARNS & CO., Box 55, Syracuse, N. Y.

White Wyandottes--Pit Games.

We breed Duston and Knapp Wyandottes and Graves, Grist and Rossiter strains of steel tested games. A square deal and a fair hatch guaranteed. **EGGS $2 PER SITTING.** All eggs and stock shipped from Chicago. We guarantee a fair hatch and will prepay express charges on all egg orders received during May.

BROWNE & MANN, 428 N. 53d st., Austin, Ill.

WHITE SILVER **WYANDOTTES** **GOLDEN BUFF**

"As good an average flock as any breeders." No more stock for sale. No more Buff Wyandotte eggs. Fertile eggs from White, Silver and Golden $2 per sitting. If you sre interested in knowing "the hen that lays the egg" drop us a card. **MAPLE CITY POULTRY YARDS,**
F. M. GRIER, Prop., Box C., Charlotte, Mich.

WHITE WYANDOTTES, Exclusively

Males direct from Duston's yards, mated to pure white, large, fine shaped hens. I do not breed from pullets. 210-egg strain. 15 eggs $2; 30, $3.50.

R. L. SEYMOUR, Warrenton Grove, Ill.

BUFF ROCKS

—Winners at Indianapolis for years. Eggs $2 per 15; $5 per 40. Also Brown Leghorns, winners for 10 years. Eggs $1.50 per 15; $2,50 per 30.

ED. B. MURPHY, Box B., Carmel, Ind.

SPRING RUN POULTRY YARDS.

of Dr. W. A. CRUM and L. A. LOGSDON, Carey, Ohio.

Have the birds in White and Buff Rocks, White, Silver and Buff Wyandottes that never fail to win the lion's share of prizes in the largest shows. Look up our record at Toledo's great show; also Carey and Sycamore, O. Birds scoring to 96½. Also heavy weight and fine quality in Toulouse and Embden Geese. Send for descriptive circular and price list and mention AMERICAN POULTRY JOURNAL.

I Won on Barred Plymouth Rocks,

I. K. FELCH, Judge,

At Central Wisconsin Poultry Ass'n show, held at Waupaca, Wis., Jan 24-27-1899, 68 birds competing, 1st and 2d on cockerel, 1st and 2d on hen, 1st and 2d on pullet, 1st on pen, score 185¾. I shall breed this season 4 Grand Pens and will use the single mating (the coming mating for B. P. R.), and will sell eggs for hatching from pens 1 and 2 at $3.00 per 15 and $5.00 per 30; from pens 3 and 4 at $2.00 per 15, $3 50 per 30. These are the only pens I shall have this season. Your orders solicited. Address Eggs for sale after May 15 at $1 per 13 straight. Mention A. P. J.

G. N. KERSTEN, Chilton, Wis.

R. B. KINNETT, CHAPIN, ILL.,

Breeds Two Pens of

BARRED PYMOUTH ROCKS.

Pen 1—Ckl. scores 93½; hens and pullets 92 to 94. Pen 2—Cock, score as ckl. 94; hens and pullets 91 to 93. S c. B. Leghorns two pens. Pen 1—Score ckl. 94; 8 hens and pullets 94, remainder of females 92 to 93½. Pen 2—Ckl. 93¾; hens and pullets 91 to 94. All mated for best results by D. T. Heimlich. Eggs $2.50 per 13; $4 50 per 30. $10 per 100. Scores made by Pierce and Heimlich.

MITTENDORFF'S
BUFF
PLYM. ROCKS

Eggs for May and June.

Yard 1—$3 per 15
Yard 2—$2 per 15

Order at Once.

L. W. MITTENDORFF,
Lincoln, Ill.

DAMON'S GRAND MATINGS.

EVERY MALE A WINNER.

Barred Plymouth Rocks.

Yard 1—For cockerels headed by	PILGRIM,	score 91½—2d	cock	Illinois State Show	1898.
" 3— " " " "	PILGRIM, JR.,	" 93¼—3d	"	Chicago	1899.
" 4— " pullets " "	ADONIS,	" 91¾—1st	cock	West Liberty	1899.
" 5— " both " "	ALSORAN,	" 92¾—		Chicago	1899.

The above yards contain females scoring 90 to 93½ and all the birds on which I won individual, pen and sweepstakes prizes at Chicago, Danville and West Liberty 1898 and 1899.

S-c. Brown Leghorns.

Yard 6—For cockerels headed by	HERO, JR.,	score 94½—1st	cockerel	Chicago	'99
" 7— " " " "	CHICAGO,	" 94 —1st	cock	Chicago—West Liberty	'99
" 8— " " " "	HERO,	" 95 —1st	cockerel	Chicago	'98
" 9— " pullets " "	PEERLESS,	" 94 —1st	cock	Chicago—Danville	'98
" 10— " both " "	CASSIUS,	" 93½—2d	cock	Chicago	'99

Females in above yards score 92 to 95 and includes such winners as the 1st hen Chicago and Danville '98—1st and 2d West Liberty '99 and 1st, 2d and 3d Chicago '99, besides many pullet and pen prizes.

EGGS—YARDS 1, 3, 4, 6, 7, 8 and 9, $3 per 13; $5 per 26.
" 5 and 10 2 " 13; 3.50 26.

My birds are strong in all sections—have fine eyes, beaks, legs, surface and under-color and grand shape and size. For a foundation and new blood you cannot get better—East or West.
No more stock for sale.

C. A. DAMON, 2470 Monroe st., CHICAGO, ILL.

DON'T SET HENS The Same Old Way.

THE NAT'L HEN INCUBATOR beats the old plan 3 to 1. 100-Egg Hatcher $2. Cheap in price but a mighty money maker. Send for cat'g telling how to get one free. Agents wanted.

Natural Hen Incubator Co, B72, Columbus Neb

EVERGREENS.

Largest stock in America, including Colorado Blue Spruce and Douglas Spruce of Colorado.

Also *Ornamental, Shade and Forest Trees, Tree Seeds, Etc.*

R. DOUGLAS' SONS Waukegan, Ill.

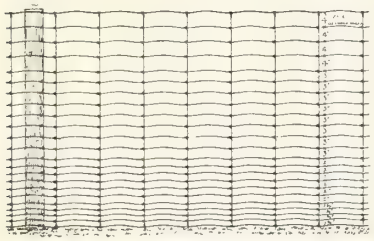
Black Langshans,

EXCLUSIVELY.

Winners 1st and 2d cock, 1st and 3d hen and 3d pullet, South Bend Poultry and Pigeon Show, South Bend, Ind., January, '98, S. B. Lane, judge. 1st cockerel 95¼, 1st pullet 95¼, 2d pullet, 1st, 2d and 3d hens and 1st breeding pen, South Bend Poultry and Pigeon Show, Dec., 1898, J. A. Tucker judge. Eggs from these winners for sale,

W. J. McINTYRE,

Lock Box 708, South Bend, Ind.



IT IS VERY ODIOUS

to compare Page Poultry Fence with any poultry netting, or other so-called poultry fences. The Page is so much heavier and stronger. Send address for descriptions.

Page Woven Wire Fenco Co., Adrian, Mich.

BRAHMAS.

High Bred; High Scoring.

Winners Wherever shown.

A few extra fine ones left, at half price, to make room for mating. Orders now being booked for

Eggs at $2 per 13.

LEWIS G. PLEISS, New Albany, Ind.

Satisfaction or money refunded.

W. A. Hoyt, Whitewater, Wis., announces "Poultry for Profit, Pleasure or Show." That covers the ground. Mr. Hoyt also breeds Belgian Hares, Jersey cattle, Berkshire and Yorkshire swine and Shropshire sheep.

Excelsior Wire and Poultry Supply Co., 28 Vesey st., New York, offers Banner Egg Food and Tonic, which is approved by those who have tried it.

E. C. Stearns & Co., Syracuse, N. Y., have the Webster & Hannum Green-Bone Cutters and Stearns' Grit Crusher and Clover Cutter. These are highly essential adjuncts to the business.

Buckeye Incubator Co., Springfield, O., writes: "Thanks to the valuable assistance rendered by A. P. J., our sales of over 100 incubators per day for the past 10 weeks and our sale of over 3000 incubators in March may be an item of interest to your readers." We should say it was an item with a big I.

H. A. Towne, Sac City, Iowa, writes: "My matings this year, both in Golden Wyandottes and Partridge Cochins, are fully equal to those of older breeders, and I am going to exhibit at the fall and winter shows this coming season. My Cochins are splendid layers; have laid steadily since last September."

Charles E. Vass, Washington, N. J., has Buff Orpingtons, Buff Rocks and White Wyandottes, which are well described in his attractive circular.

Drexel Poultry Yards, Drexel, Ill., H. M. and C. L. Horton, send out a very neatly gotten up pamphlet circular.

Ralph H. Mathew, Sabina, O.—From a fancier's standpoint, May and June are the months in which to hatch Buff Leghorns, for, if not forced too rapidly, they are in full bloom of pullethood for the late December and January shows. Under excessive laying, induced partly by early hatching, Buff Leghorns fade rapidly and also lose the clean, symmetrical lines of the typical Leghorn.

A Chilcott, Homewood, Ill.—What kills your chicks? Lice, cats, rats, no grit, sour feed, inbreeding, getting wet, lack of exercise, too many in brooder, keeping eggs too long, overheating in brooder, feeding on corn meal dough, too much feed at a time and not often enough, breeding from immature fowls and from those closely confined, without exercise.

EGGS from B. P. ROCKS, B. LANGSHANS, and L. BRAHMAS.

Scoring up in the nineties, at $1.50 for 13, or $2.50 for 26. Mention this journal. Address.

E. B. MORGAN & SON, LODA, ILL.

J. B. FOOT.

PRICES TO MEET THE TIMES.

I never had better birds in my yards than at present time. They MUST breed WINNERS My specialty—Light Brahmas, Partridge Cochins, Barred P. Rocks and Black Langshans. Large and beautifully marked. A few grand Light Brahma yearling cocks and P. Cochin cockerels at $2 and $3 each. Winners wherever shown. Send for illustrated circular. Mention A. P. J.

J. B. FOOT, Norwood Park, Ill.

PHELPS'

OHIO VICE-PRES. AMER. BUFF WYANDOTTE CLUB.
MEMBER OF " " PLY. ROCK "
" " " " LEGHORN "

BUFF PLYMOUTH ROCKS,

Breeders score 90 to 94. Golden buff to the skin.

BUFF WYANDOTTES and BUFF LEGHORNS.

Eggs $2 per 15, eight chicks guaranteed. Circular tells all about our stock and show record

E. A. PHELPS, Austinburg, Ohio.

Silver Laced Wyandottes

and Buff Leghorns.

For May and June I will sell eggs from my best pens at $1 per 13. Wyandottes are 90 to 93½ hens with a 92½ cock, a fine bird with fine laced wing-bar. Buffs are pure buff pullets mated to Mark Hanna, sire of 1st prize ckl. at Omaha. Order QUICK.

A. A. BISBEE, Hartley, Iowa.

S-c. White Leghorns

—and—

Barred Ply. Rocks

that will produce prize winners.

EGGS, $2 per 15; $5 per 45.

E. E. GREER, - Beatrice, Neb.

Poultry for Profit, Pleasure or Show.

I have them as big as they grow, all breeds, for all purposes; rare birds a specialty; Turkeys, Geese, Ducks, Guineas, Peafowls, Pheasants, Pigeons and pet stock; Flemish, Giant and Belgan Hares; Jersey Cattle, Berkshire and Yorkshire Swine, Shropshire Sheep. Satisfaction guaranteed. Prices reasonable. Eggs at all times very low. Mention JOURNAL.

W. A. HOYT, Whitewater, Wis.

WYANDOTTES AND SEBRIGHTS.

Keller breeds the finest Golden and White Wyandottes, Golden and Silver Sebrights in the land. Winners of 85 prizes at Madison Square Garden, N. Y., in five years and many specials, medals and cups. 37 prizes at Chicago, and thousands of prizes for our customers and ourselves in the best shows the world over during past 13 years. Eggs from choice matings $3 for 13; $5 for 26. Large circular free. Also Buff Laced Wyandottes.

IRA C. KELLER, Box 75, Prospect, Ohio.

Peerless Leg Bands. Poultry Printing.

Circulars and sample leg band free. Get my prices on *up-to-date* printing "Peerless" Leg Bands *stay on* and *stay bright*. They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed.

B. F. Huntington, Platteville, Wis.

Eggs Reasonable from Thoroughbreds

90c for 15, $1.75 for 30, $2.50 for 45, $4.00 for 75, $5 00 for 100. Fertility guaranteed. Order from this; Remitting by P. O. Order, or write for Catalogue Free. Stock at $1.50 to $5. each, from White Buff and Barred Plymouth Rocks, American Dominiques, White, Golden and Black Wyandotts, S-c. Buff, Brown and White Leghorns, R c. White Leghorns, S. S. Hamburgs, Red Caps, White and Black Minorcas, Light and Dark Brahmas, Red Pyle Games, Houdans and Mammoth P. Ducks; also $2.00 for every 15 eggs from Sherwood's White Wonders. White and Cornish Indian Games,

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POULTRY SUPPLIES,

	50 lbs.	100 lb.
Beef Meal	$1.00	$1.80
Concentrated Meal	1.00	1.80
Ground Beef Scraps,	1.00	1.80
Granulated Bone	1.00	1.80
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Broiler Teeth (for small chicks). Equal parts bone, grit and shell—50 lbs. 60c; 100 lbs. $1.10.

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Eggs, Eggs, Eggs.

Before you buy an ther egg for hatching you should send for my catalogue. I will sell you eggs that will hatch chickens you will be proud to own. My Buff P. Rocks, Cochins, Cochin Bantams and Leghorns are unsurpassed for rich golden color, typical shape, size, vigor and prolificacy. I pay express on orders of $6 and upwards.

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Eggs From Prize Winners.

White Holland Turkey eggs $2 per 11. White P. Rock, Golden S. Bantam and White Guinea eggs $1.25 per 13; $2 per 30.

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WYANDOTTES—Golden and White. Lt. Brahmas and Pekin Ducks, Pure bred stock. Eggs $1 per 13.

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We will print, and deliver free, 250 Note Heads, 6 lb, ... } $1.50
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Write for prices and samples.

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I have three yards of finely mated fowls, the lowest scoring 87¼, by Sharp Butterfield of London, Ont., as judge, at $1.50 a sitting of 15 eggs. Pekin Duck eggs at $1 for 12.

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WHITE WYANDOTTES;

and Nothing Else.

Eggs from my best pens 13 for $1.50. Satisfaction guaranteed. My stock is large, vigorous and white. No better any place.

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GOLDEN WYANDOTTES, Exclusively.

"The beauty bred." All stock of high merit. Product of our 1898 matings finer than ever. At Illinois State Show 1898 won 1st cockerel, 2d cock, 1st and 3d hen, 3d pullet and 2d pen. At Springfield, Ill., Jan. 1899 won every first prize in the class, including 1st, 3d and 4th pullet. Some choice cockerels for sale; no more females to offer until September. Will furnish settings from three grand matings after March 1 at $2.50 pr. 15.

C. P. NELSON, (Prairie View Farm) Danville, Ill.

HOUDANS, Exclusively.

Eggs now in season, $2 per 15 or $5 per 45. Good results guaranteed. The egg trade a specialty—Five fine pens, 45 extra good breeders, special matings. I have the Chicago winners, the Michigan winners and the $25 cup. Have only a few cks. left at $2 to $5 each. President of Am Houdan Club. Send for new illustrated circular, covering 7 years continuous winnings.

FRANK W. McKENZIE, Concord, Mich.

BUFF.

Rocks, Wyandottes, Cochins, Cochin Bantams and White P. Rocks. Buffs score well up in the nineties and White Rocks from 92 to 95. Eggs, $2 per 13; $3.50 per 30. Also choice pedigreed Collie pups for sale at a bargain. Satisfaction to all. Address, with stamp for business,

A. F. ACKLEY, Box 447, Woodstock, Ill.

Silver Laced Wyandottes.

We are breeding the S. L. W. exclusively and have mated for our first yard this season a 93 point cock, scored by Pierce, with females ranging in scores from 92 to 94½. Second yard, a 91⅝ point ckl, with females each with a score of 90 or better. Eggs from first yard $2 per 13; second $1.25 per sitting.

W. L. MILLS, Clear Creek, Ill.

FREE---My Vest-Pocket Poultry Book. Eaton's Poultry Pills

make healthy fowls.

My Buff Leghorns are Beauties.

Eggs only $1.50 per sitting.

W. H. Eaton, West End Poultry Yards, Jackson, Mich.

Jackson Poultry Show, Dec. 18 to 22, 1899. I. K. Felch, Judge.

H. S. Godfrey, Rockford, Ill.—In breeding Light Brahmas don't sacrifice everything to wing color. Solid block wings and tails and Standard-color hackles can be produced without marring the beauty of the other points in the bird. It takes longer to do this, but our best breeders have about attained to that end, and are reaping the reward. The "black" craze—black at all cost—has spent itself and sooty, mottled Brahmas have gone into oblivion.

Allen Hutchinson, Compton, Ill.—As a specialist in Barred Plymouth Rocks I say that while they relish a variety of food, I prefer to mix it together. By this manner, the birds do not become tired of any one kind. Good judgment must be used. On going into your yards watch the fowls and feed according to their apparent hunger.

William Rudi, Bourbon, Ind.—Why is not more said in The Journal about Buff Leghorns? The breeders of this variety seem to be afraid that some one will catch on to new ideas. Can't you encourage some one to write about them? [The Journal is impartial. If the Buff Leghorn breeders have anything new to say they can do so.—Ed.]

J. L. Yohe, Carey, O.—The best word I have to say is: I am shipping eggs and stock of Buff Rocks to nearly all parts of the Union, especially to the west, to parties who saw my ad in A. P. J.

E. C. Brattain, Connersville, Ind.—Get your future show birds in line for winter shows. Dry, roomy coop and good green pastures. Room is essential to growth.

G. C. Flegel, Westville, Ind., is employed by the Postal Telegraph Company, but he has time to devote to his fowls. His first hatch came off March 10. He gives nothing but dry feed, and has not lost a chick. The vitality of his stock is doubtless a reason for his success. He does not doctor fowls. He has made an outdoor brooder to hold 50 chicks, which is all he ever puts together. The brooder is easily moved and is 3x3 feet inside. His eggs set under hens outdoors this spring, in boxes covered with straw, were snowed under twice by big storms, but from 22 eggs he got 16 chicks, while the eggs that were accidentally broken showed healthy germs.

Allen E. Spangler, Hanover, Pa.—The gape worm was first discovered near Baltimore by Wiesenthal in 1799, and at present it is found in all parts of this country and Europe. All of the domestic fowls are attacked by it and some of the semi-wild birds; in Europe it causes great loss among the pheasants. The worm is of a reddish color and the female is about one-half to three-fourths of an inch long, while the male is about one-fifth of an inch long. I have found turpentine and camphor to be the best remedy to destroy the gape worm.

Joe Farmer, Flushing, O.—The attention of males, especially if of heavy breed, often causes sore back in female. This is not from spurs, but thumb, or back toe nails. Trim this nail close and make smooth with small file. A hen with torn back seldom lays well and her eggs seldom hatch good. [We had a letter from a subscriber in Montana asking why a hen seemed so lame and in pain. The reason was probably too heavy or vigorous male, which injured her. Over-attention causes weakness and symptoms of rheumatic pain in back and legs. Remove such male, replacing with lighter one.—Ed.]

C. H. C. Anderson, Carlinville, Ill.—Nothing pays so well in the poultry business as proper care of the flock in winter. My hens have laid during the past winter in spite of the extremes of temperature, ranging as low as 26 degrees below. I like The Journal better with each issue. As an advertising medium it is of the best and has brought me very satisfactory returns.

Twenty-FIVE —Poultry—Sweinhart

U. Grant Davidson, Manson, Ia.—To keep netting to the ground, where base boards are not used, take forked sticks, drive one prong into ground, with short prong holding wire. Feed your male from a box nailed to side of house, the same as grit box. Don't use an old can, which might cut his throat.

Geo. Stahmer, Oak Park, Ill.—Whitewash makes the yards cleaner and neater, prevents boards rotting. Fowls look much nicer in such a neat place.

W. M. Mayer, 824 E. Main st., Danville, Ill.—Breeders must not be afraid to spend a little in improvements. I raise Langshans, and I notice that the size of the egg does not determine the size of the fowl. Leghorns lay larger eggs than Langshans, but are smaller birds.

Ezra Cornell, Ithaca, N. Y., is known the country over for his Leghorns. Send for his catalogue.

G. N. Kersten of Chilton, Wis., an old A. P. J. advertiser, writes that his Barred Plymouth Rock chicks are coming off splendidly, and that his business is the best that it has been in years.

100 PER CENT. is not an unusual HATCH 'N THE MONITOR INCUBATOR. Most simple machine in the market. We pay freight. 100-egg Old Hen Incubator and 100-chick Brooder connected, $10. Our large catalogue tell sit all. The Monitor Co., Box 35, Moodus, Conn.

1879 O. K. POULTRY YARDS. 1899.

Black Langshans, Black Langshan Bantams.

First-class Stock.

They win for others, they will for you.

WM. M. HUGHES, Box T, So. Portsmouth, R. I.

A Great Discovery

Eight years experimenting. 300 eggs tested in one minute, without handling eggs. No tester necessary. Will tell you how for 50c. Also how to hatch all fertile eggs. No more dead chicks in eggs—$1. Guaranteed to do as I claim.

Natural Hen Brooder $2.

Note page 209 April issue for particulars—large ad with photo.

JNO. M. SONTAG, Mgr., Box 476. St. Charles, Ill.

Hardy Poultry,

Grown in Minnesota that will stand any climate.

Barred P. Rocks, R-c. Brown and White Leghorns, Light Brahmas, M. B. Turkeys, Pekin Ducks. Breeders and exhibition birds. I give the poultry business my entire attention, guaranteeing satisfaction. Write for catalogue and prices.

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BUFF WYANDOTTES — Eggs from strong, sturdy, business birds, $2 per 13. Dr. N. Willard Sanborn, Wellesley Hills, Mass. 5-3

AMERICAN DOMINIQUES—The best all around fowl in the world. Over 35 years a breeder of this breed, so have the best there is. Eggs $1.50; two sittings $2. L. M. Jones, Lairdsville, N. Y. 5 3

LIGHT BRAHMAS, S-c. Buff Leghorns and S-c. Black Minorcas. Stock guaranteed pure. Eggs $1.50 per 15. A. W. Foster, New Douglas, Madison Co., Ill. 5-3

BUFF LEGHORNS. Boston, Greenfield, Brattleboro first prize winners in our yards Arnold and Shepard Strains. Eggs $1.50 per 15. F. H. Fuller, Box M. B., Hinsdale, N. H. 3-3

CHOICE Buff and White Plymouth Rocks and Mammoth Pekin Ducks. Eggs $1.00 per sitting, $1.50 per two sittings. Satisfaction guaranteed. H. A. Shannon, Appleton, Wis. 3-3

BUFF COCHINS Exclusively. Eggs $2.00 per sitting, from stock scoring 93 95½ points. Stock for sale. Took 1st, 2nd, 3rd and Special at Belleville, Ill., 1898. A. Hilderbrand, Nashville, Ill. 3-3

LIGHT BRAHMAS Exclusively, scoring from 90 to 92½. Eggs $1.50 for 13, $2.50 for 26. Good clear stock. Eggs packed with care. Dan H. Vernor, Nashville, Ill., Wash Co. 3-3

DARK BRAHMAS, Buff Rocks, Barred Rocks. Score from 90 to 95 points. Sweepstake winners at the leading shows. Eggs $1.25 for 15, Elmer E. Robbins, Hamden Jct., Ohio. 3-3

"BLUE GRASS Silver Wyandottes," Exclusively. Winners at Lexington, Paris, Winchester, Covington, Ky.; Cincinnati, Ohio; Pittsburg, Pa. and wherever shown. Eggs for sale now. Circular free. Paul E. Shipp, Paris, Ky. "White Fantail Pigeons." 3-3

PHESANTS and Pigeons. Golden Phesants and Chinese Ring Neck Phesants Eggs for hatching and Phesants for sale at low prices; also Fantail Pigeons. E. A. Schemmel, Beaver Dam, Wis. 3-3

G. F. SOUTHWICK, Beloit, Wis. For Sale—Four Buff Cochin Bantam Cockerels; Peruvian and common Guinea Pigs. Eggs from Single-comb Black Minorcas; Golden Sebright Buff and White Cochin Bantams. 3-3

DO YOU WANT to hatch prize winners? Eggs from my O. K Strain B. P. Rocks only $1 per 15. Stock all sold. F. A. Chandler, Preston, Wis. 3-3

BARDOLPH Poultry Yards. Buff and Black Cochins, Light Brahmas, scoring 90 to 95 by Pierce. Eggs $1.50 for 13, $2 for 26. J.E. Hendrickson, Bardolph, Ill. 3-3

PRIZE WINNING White Plymouth Rocks and full feathered Buff Cochins. Stock for sale. Eggs from birds scoring 94 to 96½, $2.00 for 13. Write for show record. J. A. Babcock, Goshen, Ind. 3-3

JAY PAYS The express on eggs and stock. Barred Plymouth Rocks, "Thompson Strain." Eggs, $2,00 till June 1st, then $1.00. Good hatch guaranteed. Address: Jay Burdick, with U. S. Express Co., 87 Washington St., Chicago, Ill. Mention A. P. J. 3-3

W. H. ROSE. Lancaster, Wis., breeds Barred P. Rocks and Single Comb Brown Leghorns; eighteen years a breeder. Few pullets for sale. Eggs a specialty, prices right; discount on large quantities. 3-3

AT THE PAXTON SHOW Pierce gave 25 of my Pekins an average score of 96½ points; weight 7 to 9½ pounds. Eggs $1.50 per setting; White and Barred Rocks and Toulouse Geese eggs $1.00 per setting. W. C. Mottier, Gibson City, Ill. 3-3

QUINCY POULTRY ASS'N. Barred White and Buff Plymouth Rocks, White and Golden Wyandottes, Rose and Single Comb Brown Leghorns, Silver Spangled Hamburgs, Black Minorcas, Golden Sebright Bantams. All birds score from 93 to 94½ points. Eggs, $1.00 per setting; each additional sitting, 75c. Discount on 100 lots. B. P. R. & W.P.R. Address J. L. Raymond, Quincy, Ill. 3-3

THEODORE HEWKE, May's Landing, N. J.—White Wyandottes, exclusively. Prize-winning cockerels and pullets for sale. Eggs $2 per sitting; $5 per hundred. Pekin Ducks and eggs for sale. Write. 5-3

PEKIN DUCKS—Newman strain. Fine drakes $1.50 each or exchange for Houdan eggs or chicks. A. V. Knapp, South Haven, Mich. 4-2

HEAVY WEIGHT Belgian Hares from imported stock. Fine specimens always for sale. Our prices range according to age, from $1 to $3 per pair. Smith & Friend, Blanchester, O. 5-3

MONGOLIAN PHEASANTS — Fine, large birds $5 per trio. Eggs $2.50 per sitting. One well trained '98 Ferret, excellent hunter, will sell cheap. Smith & Friend, Blanchester, Ohio. 5-1

BUFF BRAHMAS—Exclusively. Eggs for sale. Satisfaction guaranteed, Write for price list and description. L. M. Frederick, Benjamin, Pa. 5-3

CRANMOOR POULTRY YARDS, Cranmoor, Wood Co., Wis., S. L. Wyandottes—eggs $1.50 per 13; Bronze Turkeys—eggs $2 per ten. Fifteen year's experience. Also fine Setter pups. Write us. 5-1

W. WYANDOTTES, R-c. Brown Leghorns. Eggs from choice matings $1.50 per 15, straight. Correspondence a pleasure. Circular free. Ed Hippert, Box C. 491, Kewanee, Ill. 2-99-1yr

O. WISLER, 584 Evergreen ave., Chicago, Ill.—Breeder of high class Silver and Golden Spangled Hamburgs. Eggs from three Grand yards at $2 per sitting. For reply enclose stamp. 2-5

ROYAL RED SEAL LOFTS, F. E. Morganthaler, Prop., Station C, Cleveland, Ohio, —breeders importer and flyer of the speediest strains of Homing Pigeons exclusively. Send for my annual catalogue. 1-6

E. A. SCHILLER, Beaver Dam, Wis.—White Wyandottes exclusively—A. F. Hunter and Arthur Duston strains. A lot of fine young stock for sale. Can furnish score card after Dec. 13, '98, by Hewes. Eggs in season, $1 for 13. 12-6

B. P. ROCKS and S. L. Wyandottes. Scored by Heimlich and Pierce at three shows, 1898. Won 19 premiums. Show record furnished. Satisfaction guaranteed. Eggs $2 per sitting. D. D. Gilman, Hoopeston, Ill. 3-3

HAWKINS BARRED ROCKS. Fifteen years a breeder of high scoring prize winning birds. I guarantee satisfaction. Eggs $1.50. S. F. Flint, Peoria, Ill. 3-3

BARRED PLYMOUTH ROCKS, S. L. Wyandottes, finest strain, scoring above 90. Eggs 15 for $1, 30 for $1.50; Pekin Ducks 15 for $1. Toulouse Geese eggs, $1. H. L. Moury, Belleville, Ohio. 3-3

WRITE ME for White Leghorns, P. Cochins. My birds get their score, 93-96, by Pierce Eggs $2 per sitting. Stock for sale. Wm. Blanken, Buckley, Ill. 3-3

BARRED AND WHITE Plymouth Rock Eggs from up-to-date Rocks at $2.00 per 13; $4 00 per 30. "Rocks" a specialty for 16 years. Joe B. Hutton, New Castle, Pa. 3 3

WHITE PLYMOUTH ROCKS that are white, scoring 93 to 97, won first prizes. Eggs that will hatch 15 for $1.00. Stock for sale. Satisfaction guaranteed. J. B. Beard, Newton Falls, Ohio 3 3

THIRTY-FOUR Prizes at the Fall River Show. Sixteen of my Houdans scored an average of 91½ points each and won all the prizes. Rhode I. Reds, Light Brahmas, Barred P. Rocks Eggs $2.00 per 13—$5.00 for 40. Pekin Ducks, eggs $1.00 for 11. A few good birds for sale. Send for circular. Daniel P. Shove, Box 666, Fall River, Mass.
President Rhode I. Red Club 3-4

CRESCENT POULTRY FARM. Catalogue free, with valuable information on artificial incubation by an expert; all about feeding and rearing ducks and chicks. Incubator Eggs a Specialty. Pekin Ducks, Barred Rocks, White Wyandottes, White and Brown Leghorns. Stock all sold, but lots of eggs for sale from high scoring matings. Frank Foy, Des Moines, Ia., Box 1001-b 4-3

BARRED PLYMOUTH ROCKS, Sweepstake Winners at County Fair. 20 eggs $1 00. Ed. Einfeldt, Greenwood, Wis. 3-3

GOLDEN WYANDOTTES Exclusively. Eggs $2 00 per sitting. 92¾ to 95½ by Wale. Headed by cock with a score of 94 points by McClave. Write for circular of my winnings. Wm. Plumhoff, Nashville, Ill. 3-3

GEORGE NORTHUP, Raceville, N. Y., wishes to sell 1,000 Rose and Single-comb Minorcas. He breeds more prize winners than any 4 other breeders. 28-page catalogue (size Journal) free. 1-6

LONG'S Prize Winning Strain of nine varieties. Winners at Mount Gretna, Hagerstown, 1898; Washington, D. C., Jan., 1899. Hundreds of Premiums won. The Noted Strain. Eggs $1 50 for 15. Two-cent stamp for catalogue and show record. R. E. Long, New Midway, Fred Co., Md. 3-3

BUFF PLYMOUTH ROCKS, Up-to-date, bred them for five years. Stock and eggs for sale. Prices reasonable; satisfaction guaranteed. You take no chance. W. F. Simonson & Son, Bancroft, Mich. 3-3

BUFF LEGHORNS. Three fine selected matings, clear golden to the skin. Won where ever shown. Eggs $2 per 13, $3 per 26. Stock for sale. Satisfaction guaranteed or money back. W. C. Boone, Leon, Ia., Box 124. 3-3

SITTING EGGS FREE from my prize winning Barred Rocks or White Leghorns, scoring 90 to 94½. First and every tenth order free. Eggs $1.50 per 15, $2.50 per 30. T. G. Hedges, Waterford, Ky. 3-3

S-C. BUFF and Brown Leghorn eggs for hatching. Won all firsts at Mansfield, all firsts at Ashland shows, except pullet. Breeding pens score 92½ to 95, McClave judge. Brown eggs $1.50 for 15; Buff, $2 for 15. Satisfaction guaranteed. J. F. McConnell, Ashland, Ohio. 5-3

W. P. ROCKS, W. Wyandottes, B. Minorcas, L. Brahmas. America's four best strains. Bred on scientific principles. Eggs $1 per sitting. The Burlington High st. Poultry Yards, Burlington, Wis. 5-3

BUFF LEGHORNS—From the best stock in America; bred for utility, perfect in symmetry, magnificent color and most excellent layers of large eggs. Eggs from my best pens $1.50 per sitting. W. H. Maxwell, Marinette, Wis. 5-1

GOLDEN & S. L. Wyandottes, scoring from 90 to 94½, America's best strains. All of my eggs $2 per 13 after April 25th. A. C. Smith, Chenoa, Ill. 5-3

GOLDEN WYANDOTTES—Exclusively Only the best stock obtainable in pen, scored 91 to 94 by Hewes. Eggs $2 per 15. O. E. Reade, Tampico, Ill. 5-3

GOLDEN WYANDOTTES and Buff Leghorns. Four fine breeding yards, mated to produce best results. Birds scoring from 90 to 95½ points. Eggs $1.50 per sitting. C. F. Blackman & Son, Painesville, Ohio. 5-2

BARRED PLYMOUTH ROCKS and Pekin Ducks. Fine stock of each for sale at $1 per head. Eggs, 13 for $1; 30 for $2. T. R. Harper, Box R, Rockton, Ill. 5-3

WARNOCK S-c. B. Leghorns are as good as grow. Eggs from the Cedar Rapids prize winners $2 per 13. Every breeder in my yards has won a prize. Wm. G. Warnock, Geneseo, Ill. 3-3

H. W. HOUSE, South Bend, Ind., has for sale Bronze Turkey eggs, $3.25 per 11; Toulouse Geese, $3 50 per 9; Rouen Ducks, $1.50 per 11; Black Langshans, $1.50 per 15; Dark Brahmas, $1.50 per 13; Silver Wyandottes, $1.50 per 15; Pit Games Above stock scores 90 to 97½. 5-3

ARNOLD WHITE WYANDOTTE and Wyckoff White Leghorn eggs, $2 for 15; $3.50 for 30; $10 per 100. Choice litter pedigreed Scotch Collie pups on sale now. M. E. Servoss, Edison, Cook Co., Ill. 5-3

JOHN M. LORENZ, 26 Foley st., Freeport, Ill.—Buff Wyandottes first premium birds at Northern Illinois fair; also Buff Plymouth Rocks and Peacomb Barred and Peacomb White Plymouth Rocks, no combs to freeze; just the fowl for cold climates; eggs from choice pens $2,00 per 15, $3.50 per 30. Book your orders now; 2-4

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

THE HOME of the White Wonders, at B. Wenk's, Washington, Ill. I have bred them exclusively and sell eggs from any of my yards at $1.50 per sitting. 3-3

PEIRCE BROS., Winchester, N. H., Exhibition Games, Pit Games, Cornish Indian Games, full-feathered Buff Cochins, Game and Ornamental Bantams. Winners at the leading shows of the east. Stamp for Catalogue. 3-3

DO YOU want Alliumnum Leg Bands, warranted to stay on and give satisfaction? If so send stamp for sample of the Eclipse, latest and best. C. P. Collins, West Lebanon, N. H. 3-3

WHITE HOLLAND TURKEYS and Toulouse Geese. Prize birds at common prices to make room. Breeding birds, pairs, etc. Other varieties. Send for list. Chas. McClave, Ashland St., New London, Ohio. 3-3

BARRED P. ROCKS, White Wyandottes (Hawkin Strain) White Guinea eggs $1 00 per 15, Bronze Turkey $2.00 per 11, Pekin Ducks $1.00 per 9. C. E. Brooks, Evansville, Wis. 3-3

VALLEY VIEW Poultry Yards, Dover Plains, N. Y. Eggs from choice matings. Barred Rocks, Ringet Strain, White and Buff Leghorns, $1 50 per setting, four for $5 00. Express paid. 3-3

EGGS CHEAP. S.-c. Brown and White Leghorns per 100, $1.50, 13, 50c; Barred Rocks, 100 $4 00, 13 75c; Bronze Turkeys, 20c each. J. L. Boyd, Dana, Ill. 3-3

REV. LOUIS RICHEY, Georgetown, Ohio. Black Minorcas, no better stock in America; eight awards on eight entries at Cincinnati show. Eggs, $2.00 per 15; incubator eggs reasonable. 3-3

BLACK SPANISH and Buff Rocks. A clean sweep on Spanish at New York, 1899. Buff Rocks—Burdick's "Nuggets," J. D. Wilson and Forsyth stock. Eggs $1.25 for 13. E. R. Gregory, Edmeston, N. Y. 3-3

EGGS, EGGS, EGGS—$1.25 per 13; $2.00 per 26. White Wonders. Well mated. Light Brahmas, Barred Plymouth Rocks, Single and Rose-comb Brown and Rose-comb White Leghorns. Eggs $1.50 to $2.00 per 13. E. E. Paris, Washington, Ill. 3-3

AT BOSTON, '99, I won 10 premiums on White Wyandottes. My birds are large, white and true Wyandotte shape. Eggs $2.00 per 15. F. H. Fuller, Box M. B., Hinsdale, N. H. 3-3

STOP, LOOK, LISTEN! Stock and Eggs, the best Dark and Light Brahmas, Buff and White Cochins, Langshans, Andalusians, Wyandottes, Pekin and Muscovy Ducks. J. K. Clemmer, Box 22, Souderton, Pa. 3-3

BUFF WYANDOTTES a specialty. Won first on Cockerel, second on Pullet in hot competition, (Hathaway Judge) also Buff Leghorns and Rocks. Eggs $1.00 per 13. Wm. Haught, East Palestine, Ohio. 3-3

WHEELER'S Buff P. Rocks. Winners at Rochester and Elmira, N. Y., Jan. 6 to 12, 1899. As good as the best. Prices low. Write for circulars. C. A. Wheeler, Cuba, N. Y. 3-3

TUTTLE'S White Wyandottes and Barred Rocks win in hot competition; they will win for you. Eggs $2.00 per 13, $3.50 per 26, $5.00 per 40. A. C. Tuttle, Galion, Ohio. 3-3

ROSE-COMB White Leghorns, exclusively. Stock all sold. Fresh eggs for hatching at $1.00 for 13 or $2.00 for 30. B. F. Stemen, Columbia City, Ind. 3-3

PARTRIDGE COCHINS exclusively, grand winter layers. Limited number of fine breeding stock for sale. Eggs in season, prices reasonable. Geo. R. Fisher, Box 1264 Helena, Mont. 3-3

SOMETHING FINE. Eggs from Buff Cochins (score 92-93½) $2.00 per 13. R. C. B. Leghorns (91-94) $1.50 per 13. A few Leghorn Pullets for sale. L. Gholson, Nashville, Ill. 3-3

XXXX. Varieties Prize Winning Poultry, also Pigeons, Hares, Pets. Cockerels, $2.00; Hens, $1.50; Eggs $1.00 per 15; $3.00 per 60. Cat. free. John D. Souder, Jr., Telford, Pa. 3-3

DO YOU WANT Eggs from Russell and Hersey strains of Barred P. Rocks, only $1.50 for 15, best pens. Mammoth Bronze Turkey Eggs from McKenzie's hens and 48-lb tom, $1.50 per 11. Orders booked now. Lura Carroll, Melrose, Ia. 3-3

WHITE MINORCA and Rose-comb Black Minorca Eggs from choicest matings, $3.00 per sitting, $5.00 for 30. A few cockerels and pullets for sale. Mrs. J. G. Osborne, Fabius, N. Y. Box O. 3-3

OSHKOSH POULTRY YARDS. Barred Rocks (Oroco Strain) Single-comb White Leghorns, Black Minorcas, Silver Spangled Hamburgs, Light Brahmas, all pure bred. Eggs 13, $2.00; 26, $3.00. A. Fugleberg, Box 205, Oshkosh, Wi. 3-3

SILVER GRAY DORKINGS EXCLUSIVELY. Won eleven prizes at Boston and New York, including four firsts and specials Eggs from three grand yards, $2 50 per 13, $4.00 per 26. Watson Westfall, Sayre, Pa., Box 71. 3-3

W. F. BLACK SPANISH. Buff Leghorn Eggs for sale from pens mated for best results. Satisfaction guaranteed. 2-cent stamp for circular. A. J. Barnhart, New Pittsburg, Ohio, Box B. 3-3

RANKIN AND POLLARD Pekin Ducks. S.-c B. Minorcas (Northcup) W. Wyandottes (Duston) W. P. Rocks (Hawkins.) Eggs $1.00 per 15; $5.00 per 100. C. L. McFerren, Darlington, O. 3-3

C. W. SAYLOR, Greenfield, Ill. breeder of Buff Plymouth Rocks that are strictly first class. Eggs $2.00 per 15. Book your order now, Satisfaction guaranteed. 3 3

BLACK MINORCA (Single-comb) exclusively; large, vigorous, hardy birds of typical Minorca shape. My birds are feed for winter eggs. Eggs $1.00 per 13. Luny Reynolds, Westville, Indiana. 3-3

S.-C W. LEGHORNS. Black Minorcas, S. S. Hamburgs. First prize winners at Northeast and Erie Shows. 15 eggs $1.50. Fine strain Lewellyn Setters and Fox Terriers. Knablein Bros., Erie, Pa. 3-3

D. MULLEN, Indiana, Pa. Partridge Wyandottes, White Wyandottes and Golden Penciled Hamburgs. 3-3

J. E. WALTER, Wakeman, Ohio. You want winter layers! I have them bred for it, S.-c. B. Leghorns. Eggs 13, 75c; 46, $1.25. 3 3

H. CLOSE, Dunkirk, Ind., has 15 odd White Jocobin Hens and a few well mated pairs for best results, for sale cheap; also four Buff Cochin Bantam Cocks and three Hens. Write. 3-3

WYANDOTTES, Silver, Golden, White; Golden and Silver Sebrights. Winners at Indianapolis, Springfield and St. Louis Fairs, Kentucky and Indiana State Shows. Stock and Eggs for Sale. Circular free. Reeves & Jones, Clifford, Indiana. 3-3

OUR BLACK LANGSHANS, White Plymouth Rocks and Golden Sebright Bantams are winners with score to 95 by Heimlich. Eggs from them $1 per 12, $2 per 30. A few Bantams yet for sale. Theodore Werth, Strasburg, Ill. 3-3

BARRED ROCKS, Steinmesch L. Wyandottes, Hollann Turkeys. Turkeys' eggs $3 per 11. Chickens' eggs $2 per 15. W. H. Bollinger, Pendleton, Ind. 3-3

FRED W. KING, Breeder of Partridge Cochins. Winners at Peoria and Springfield in the strongest competition. Stock in season. Eggs $2 for 13. 623 Third Avenue, Peoria, Ill. 3-3

LIGHT BRAHMAS Exclusively. As we expect to remove soon to Central Mo., we shall only keep one pen of Light Brahmas, scoring 91-94½. Eggs $2 per 13, straight. W. H. Hormel, Rutledge, Mo. 3-3

HONEST STOCK. White Wyandottes, Light Brahmas and Pekin Ducks. Eggs only, surplus stock all sold. Satisfaction guaranteed. Also a few bushels of home-grown Soja Beans. William Dyke, Effingham Ill. 3-3

WHITE PLYMOUTH ROCKS Exclusively; farm raised, scoring from 93 to 96¼. Eleven ribbons on twelve birds at Youngstown. Eggs for sale. Write for prices. O. J. Fishel, Newton Falls, Ohio. 3-3

HOWARD BROWN, Coatesville, Pa., Box 329, Breeder of Buff Leghorns and Buff Plymouth Rocks. Evidence of quality are their winning at Hagerstown, Carlisle, Fredericks, Md., and Washington. Stock for sale. Eggs $2 per sitting or three sittings for $5. 3-3

LIGHT BRAHMAS Exclusively. H. H. Church, Vermontville, Mich., will have eggs for sale at reasonable prices. Choice stock sorted for breeders. Seven breeding pens for eggs. Correspondence solicited. 3-3

BARRED AND WHITE Plymouth Rock Eggs by sitting, or 100 from the best layers in the world, bred from the best strains and all heavy weights. If you want eggs that will hatch we will furnish them at $4 00 per 100, or $1 50 for 15. Send for circular. Cedar Lake Poultry Farm, Creston, Ind. 3-3

BUFF WYANDOTTES. Eggs of Pen 1, $3.50 per 15; Pen 2, $2 per 15, $3.50 per 30. Theo Kies, Nokomis, Ill. 3-3

C. A. WILLIAMS and Miss Mary, Carey, O., breeders of Golden Wyandottes and Golden Sebright Bantams. Watch Toledo, Sycamore and Carey Show reports. Eggs $2.50 per 13; per 30, $5. 3-3

L. LANTZENHEISER, Wooster, Ohio, has for sale Buff Cochin Cocks, Cockerels, Hens, Pullets; Black Minorca Cocks and Hens; and Brown Leghorn Cockerels from one to ten dollars each. 3-3

GOLDEN WYANDOTTES Exclusively. Prolific Laying Strain, with size and beauty combined. All my Breeders scoring from 90 to 94 points. Eggs $1.50 per 13. Geo. H. Burnett, Lansing, Mich. 3-3

WHITE WONDERS—Exclusively. Four choice heavyweight breeding pens. Up-to-date stock. If you want the best and most practical fowls, write. Eggs, $2 per sitting Wm. A. Pierce, Waterville, N. Y. 3-3

LIGHT BRAHMAS Exclusively. They are the hardiest and best laying strain in Wisconsin. Eggs, $1 per sitting. Strictly pure blood. Orders booked now. J. C. Livingston, Livingston, Wis. 3-3

BUFF Plymouth Rocks, Buff Cochins, Buff Wyandottes, Buff Leghorns, White Plymouth Rocks, Mammoth Bronze Turkeys, Black Langshans, Eggs in season. Stock for sale. Dr. R. H. Maricle, Mill Shoals Poultry Farm, Mill Shoals, Ill. 3-3

ROSE-COMB White and Rose-comb Brown Leghorns, Silver Laced Wyandottes. 15 Eggs $1; 39, $2. Rouen and Pekin Duck Eggs 11, $1; 26, $2. J. W. Cook, Poneto, Ind. 3-3

BUFF LEGHORNS That are Winners. At Youngstown, Ohio, Dec. 20-24, 1898, I won 1st and 2nd Cockerel, 1st Hen and 1st Pullet. Eggs $2.00 per 13. A satisfactory hatch guaranteed. Belgian Hares and Fancy Pigeons. Satisfaction or money refunded Wm. Friedmann, Canton, Ohio. 3-3

BLACK LANGSHANS Exclusively. They are beauties. Eggs for hathing $1.50 per 15; $2.75 per 30. Write to me before placing your order. Herbert Davis, Pawnee, Ill. 3-3

WILD GEESE—I have four Wild Geese, (three females) two years old; very tame; suitable for park or breeders. Price. $10 for four. E. K. Stall. Mt. Pleasant, Ia. 3-3

WHITE WYANDOTTE Eggs, 15 for $1.25; 30 for $2. From large, vigorous, farm-raised birds; good color, yellow legs and beaks. Embden Goose Eggs, 18c each Calvin Norman, Dexter, Mo. 3-3

ATTENTION—I am now booking orders for eggs from my yards of fine Blue Andalusians, Buff Leghorns and Buff Rocks. Bottom prices. Satisfaction guaranteed. G. W. Klee, Chambersberg, Pa. 3-3

HOT STUFF In Golden, Silver and Buff Wyandottes, S. S. Hamburgs, B. B. Red Games. Farm-raised, strong healthy, vigorous birds. Pleased others, will please you; write today. Address, J. F. Beum, Box 186, Westerville, Ohio. 3-3

RIVERHURST Poultry Yards, Charles Hollands, Proprietor, Westons Mills, Catt Co., N. Y., Breeder of Barred and Buff Rocks, Wells and Sheperd Strains. Also Single comb Buff Leghorns and Silver Spangled Hamburgs. Eggs $1.50 per 15. 3-3

WHITE WYANDOTTES, Pekin Ducks and White Holland Turkeys are the general purpose fowls. Buy some eggs and make money. Send for prices. Satisfaction guaranteed. R. F. Galleher, Mt. Gilead, O. 3-3

THE TERRACE Poultry Yards, White Wyandottes exclusively. Beauty and utility combined. Winners at the following shows in 1898: Mt. Gretna, Pa.; Hagerstown, Md.; West Chester, Pa. Eggs, $2 per 13. Allen C. Roberts, Spring City, Pa. 3-3

OVER STOCK. Will sell cheap to make room. Partridge Cochins, Barred Plymouth Rocks, Single and Rose comb White and Brown Leghorns, Black Minorcas, S. S. Hambu gs, Brown Breasted Red and Indian Games, Pekin and Crested Ducks, etc Geo. E. Lloyd, 105 9th Ave., East Ashland, Wis. 3-3

STANDARD Bred Barred P. Rocks from A. C. Hawkin's Stock; also pen of Eichelberger Strain, headed by cock from G. M. Leffel direct. All high-scoring birds, no culls used. $1 per 15 eggs. Pekin Ducks, Chas. McClave Strain, direct, 13, $1; also mammoth B. Turkey eggs $2 for 11. No stock for sale until fall. No circulars, write your wants. Satisfaction guaranteed. C. C. Rittenhouse, Austin, Ohio, 3-3

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

FRED E. BALDWIN, Ottumwa, Iowa.—Breeder of White Wyandottes, Buff Plymouth Rocks and Partridge Cochins. Catalogue free. 4 3

BUFF LEGHORNS that are buff, and Buff Pekin Bantams. Prize winners; excellent layers. Eggs for hatching my specialty. Write M. A. Bowles, East Palestine, O. 4-3

ROSE-COMB Brown Leghorns and Sherwoods Eggs, either breed, $1 per 15; two or more sittings 75c each. Leghorn stock $1 each. Marion Ake, Ft. Wayne, Ind. 4-3

W. B. GANIARD, Delta, O. — White Wyandottes, Hawkins' and Duston's strain. Eggs of this strain from my best pen $1.50 for 15; all other pens $1.25. 4-3

BUFF PLYMOUTH ROCK—Burdick and Wilson strain. 13 eggs for $2; 30 for $4. Barred Plymouth Rocks, 13 eggs for $1.50; 30 for $3. L. E. Smith, Granger, Ind. 4-3

ROSE-COMB White Leghorns. Eggs selected for hatching 15 for $1, or 26 for $1.50, or $4 per 100. Stock from John Bauscher, Jr., Jas. Kappes, Jr., box 135, Ashton, Iowa. 4-3

PIT GAMES — Large, handsome birds. Smoke Ball and Aseel and Smoke Ball crosses. Eggs $2 for 15; $3 for 30. Stock for sale. A. D. Woodruff, Manhattan, Kansas. 4-3

G. L. GRAFT, Scottdale, Pa.—Eggs 6c each. Barred P. Rocks, White and Laced Wyandottes, Rose-comb White Leghorns, Black Rose-comb Minorcas, Partridge Cochin, English Red Cap, 13 for $1. Pekin Duck Eggs, 9c each. 4-3

IMPORTED Buff Orpington's Wyandottes, P. Rocks, Brahmas, Cochins, Leghorns, Minorcas, Bantams, Langshans. Ducks, Hares. Eggs at reasonable prices, catalogue free. Davis Bros., Station E, Washington, N. J. 4 3

WHITE STOCK FARM—Eggs 4c each. White Minorca, White Wyandotte, White Cornish Indian, White P. Rock, White Rose-comb Leghorn. Improved Pekin Duck, 6c each. F. C. Wray, Scottdale, Pa. 4-3

BLUE ANDALUSIANS—Exclusively, for four years; non-sitters; strictly egg-layers, prize winners; very handsome and vigorous. $2 for 15 and $3.50 for 30 eggs. W. Paul Otte, Paoli, Ind. 4-3

HAWKINS' STRAIN — Silver Laced Wyandottes. All my breeders score 90 to 93½ points. Pen headed by cockerel scoring 90 points from A. C. Hawkins direct. Eggs, $1.50 per 13. Joel Pedlar, Brazil, Ind. 4-3

BARRED ROCKS—Only. Cheap but good. Good enough to win under Judge Felch's scoring. Eggs after March 15th, $1.25 for 13; $2 for 26. Bertrude Spangler, Utica, Clark Co., Ind. 4-3

HENRY MUEHLENFELD, 914 Kentucky street, Quincy, Ill., breeder of Golden Wyandottes, Houdans — eggs, $1, and Rose-comb Black Minorcas—eggs, $1.50 per 13. All breeding stock scores over 91 points. 4-3

LIGHT BRAHMAS — A choice lot of cockerels and pullets for sale. Cockerels $2; pullets, $1; must go at once. Eggs for hatching. Let me know your wants. Satisfaction guaranteed. A. S. Walker, Hinsdale, Ill. 4-3

WHITE HOLLAND TOMS—Good ones too. Other Turkeys, Geese, Ducks and Chickens, Farm grown. Eggs carefully shipped. Free list. Prompt attention. Low express rates. Address, Bert Wilbur, Knowlton, O. 4-3

SILVER LACED and White Wyandottes that score from 90 to 95, by Shaner, and mated for best results. Eggs from first pens $3; second, $1.50. Correspondence solicited. Geo. Hummel, Polk, Wis. 4-3

GREEN BROTHERS, Barberton, Ohio, breeders of four high scoring pens Light Brahmas, Buff Leghorns, W. C. B. Polish, White Bearded Polish. Eggs for sale. Send for free circular. Satisfaction guaranteed. 4-3

RIVERSIDE POULTRY YARDS, West bank Hudson river. Light Brahmas only. Eggs 100, $5; 26, $2; 13, $1.50. Walter Burpee's strain. First-class stock. Lillie A. Miller, Highland, Ulster county, N. Y. Box 268. 4-3

BUFF LEGHORN EGGS, B. Plymouth eggs, only $1 per sitting, from good stock only; also Golden and Chinese Ring neck Pheasant eggs for hatching. Write E. A. Schemmel, Beaver Dam, Wis. 4-3

46 PREMIUMS on Pouters, Jacobins, Tumblers, White and Red Dragoons, White Rocks, Golden Wyandottes, at Fredonia, Rochester, Elmira. Stock and eggs for sale at all times. Address M. Woelfle, Silver Creek, N. Y. Stamp if convenient. 4-3

MY S. L. WYANDOTTES and R-c. B. Leghorns made almost a clean sweep at the shows this winter. Eggs, $1.50 per 13. Circular free. John Hoelzer, Dundee, Ohio. 4-3

GOLDEN WYANDOTTES—Few cockerels and pullets from high scoring stock for sale. Eggs from same stock, $1.50 per 13. L. Humeau, Mansfield, Ill. 4 3

BUFF P. ROCKS and Buff Leghorn eggs for hatching, $1 for 15 eggs. Buff P. Rocks for sale at all times. F. E. Hightree, Nutwood, Ohio. 4-3

LIGHT BRAHMAS, Exclusively. Felch strain. Farm raised. Eggs through the season, $1.50 per 15; $2.50 per 30. After June 1st, $1 per 15. Mrs. E. M. Haskell, Exeter, Ill. 4-3

LAKE VIEW Summer Resort, Peach Orchards and Poultry Yards.—Thoroughbred S-c. White Leghorns and B. P. Rocks. Eggs 5c each. J. W. Gamble, Catawba Island, Ohio. 4-3

HENNESSY BROS., Strawberry Point, Iowa, breeders of Cornish Indian Games and Pekin Ducks. Game eggs, $1.50 per 13; ducks, $1 per 11. One Bronze tom for sale, score 95½. 4-3

WM. V. SCHLOSSER, Beloit, Wis.—Eggs for sale from S-c. White Minorcas, $1.25 per 13, or $2 per 26. Scott's strain, Canada. Wm. V. Schlosser, 1028 Park avenue, Beloit, Wis. 4-3

BUFF PLYMOUTH ROCKS—Winners of 10 prizes at the Kentucky State Show, 1899. Forsyth, Wilson and Hamm strains. Eggs, $1.50 for 13; $3 for 30. H. A. DeMand, Oxford, Ohio. 4-3

BARRED PLYMOUTH ROCKS — Exclusively. Eggs for hatching from selected matings, $1 per sitting. Large, healthy stock of the best strains. Order at once. C. H. Dewey, Langham, Grundy county, Ill. 4-3

WHITE WYANDOTTES that stay white. One sitting (13) eggs free with each tenth order. Pen scores 90½ to 94. 15 eggs $2; 45, $5. J. H. Eby, North Robinson, Ohio. 4-3

WHITE PLYMOUTH ROCKS — Hawkins and Empire strains; Black Minorcas, Northups strain; White Leghorns, Whiting and Knapp Bros.; Pekin Ducks, Newman and Rankin. Eggs, $1.50 per 13. Geo. Heuneman, Keokuk, Iowa. 4-3

LIGHT BRAHMAS. White Plymouth Rocks. Winners at Indianapolis, Chicago, Logansport. Two pens each. Eggs, $2 for 13; English Buffs, $3. Stock for sale. Write. Specialty Breeders, Middletown, Indiana. Lock box 306. 4-3

WHITE WYANDOTTES, Exclusively. Hawkins' and Hunter's strain. Bred for beauty and utility. Eggs, $1.50 per 13; $2.50 per 26. Satisfaction guaranteed. Wm. Campbell, 3034 Emerald avenue, Chicago. 4-3

PHEASANTS—English Ring-neck. Eggs for hatching, $2 50 per 15. Also Buff Cochin eggs, $1 per sitting, from heavy feathered, rich colored birds. A. B. Wingert, North Hampton, Ohio. 4-3

CHINESE PHEASANTS—Eggs $3 per 15; $5 per 30. R-c. B. Leghorns, Barred Plymouth Rocks and Buff Cochins—eggs $1.50 per 13. Stock unsurpassed. Mrs. Angie Dean, Beaver Dam, Wis. Mention A. P. J. 5-3

RIVERSIDE POULTRY YARDS, Vernon, Conn. — White Wyandottes, Barred Plymouth Rocks, S-c. White Leghorns, R-c. Brown Leghorns, Pekin Ducks. Eggs, $1 per 13; $4 per 100. 4-3

UP-TO-DATE, up-to-weight farm raised Buff Rocks. Five years a breeder. The most noted strains. Eggs $2 per sitting. Inquiries promptly answered. Mrs. Jonathan Solt, Columbus, Ind. 4-3

ROSE-COMB BLACK MINORCAS and Golden Laced Wyandottes. Eggs from first-class stock, $1.25 per sitting; 2 sittings, $2.25. Also a few Rose-comb B. Minorca cockerels at $1.50 each. Satisfaction guaranteed. Mention A. P. J. Louis Krueger, Sleepy Eye, Brown County, Minn. 4-3

EXHIBITION Barred Plymouth Rocks our specialty. Our stock direct strains of Thompson's (Ringlet); Hawkins' (Royal Blue); Bradley Bro's. (N. Y. Champion, and light blue pullet strain having birds sired by N. Y. Champion); and Ringlet, the great first prize males at Madison Square Garden. Our stock equal to any and prices reasonable. Did you see our display pen on exhibition at Madison Square Garden show? Eggs, $1 per 13; $3 per 50; $5 per 100. Address, Riverbank Poultry Yards, Catskill Station, N. Y. 4-2

DELAVAN PRAIRIE Poultry Farm—Up-to-date in all the leading breeds of land and water fowls. Bantams a specialty. Eggs, 75c to $1.50 per sitting. Geo. H. Wright, Delavan, Wis. 4 3

PIT GAMES—Mich. Warriors, Muff, Menton Dominiques, Irish Shuffles, War Horses. Eggs, $2.50 per 13. R. W. Luck, 503 Marion ave., Indianapolis, Ind. 4-3

L. A. LYDICK'S Partridge Cochin won 1st cockerel, 2d Pen, 4th cock, 5th hen, at Toledo, Ohio, show; Butterfield, judge. Eggs, $2 for 15. South Bend, Ind. Box 576. 4-3

WHITE ROCKS, Only — Farm raised. Bred for winter layers. Breeders selected each winter from best winter layers. Eggs, $1 per 13; Incubator eggs, $4 per 100. J. L. Jefferson, Des Plaines, Ill. 4-3

PEACH HILL POULTRY YARDS—Eggs from eight pure breeds of poultry, $1.50 per sitting. Pekin Duck eggs, $1; Belgian Hares for sale. F. W. Wright, box D, Berlin Heights, O. 4-3

WHITE WYANDOTTES, Exclusively. A fine lot of cockerels for sale. Eggs from extra fine matings, $1 per sitting. A. H. Arnold, East Townsend, Ohio. 4-3

DR. JEWETT, Olentangy, Ohio — Eggs from high scoring Barred and White Rocks, Black Spanish, and Buff Leghorns. Scores 90 to 93½. Ten chicks guaranteed. $1.25 per 15; $2 per 30. 4-3

FAIRVIEW POULTRY YARDS, C. A. Sparks, proprietor, North Topeka, Kans., breeder of B. P. Rocks exclusively. Eggs from pen 1, $1.50; pen 2, $1 per sitting of 15. Leffel strain. 4 5

HIGH SCORING Light Brahmas, winners at Rockwell City and Mason City, Iowa. Eggs, cockerels 92¾ to 92, pullets as good, $1.25; Barred Rox, fair stock, 75c. U. Grant Davidson, Manson, Iowa. 4-2

HARVEY C. WOOD, Mt. Pulaski, Ill.—Light Brahmas exclusively. Eggs for sale, $2 for 13, from pen headed by 94¼ point cockerel mated to females scoring 92 to 93¾; Felch and Giant strain. 4-3

GREENMAN'S BANTAM YARDS, Cortland, N. Y. — Fifteen ribbons on fifteen entries at New York, 1899. A few more brothers and sisters to Madison Square winners for sale in Golden and Silver Duck-wing and Black Breasted Reds. Write for prices. 4-3

WHITE-FACED BLACK SPANISH and W. P. Rock eggs at $1.50 per 15. Also a few good W. P. Rock cockerels at $1.50 each. E. W. Van Fleet, Galena, O. 4-3

BLACK LANGSHANS — Won first, second, and third at Vandalia, St. Louis, and Missouri State shows; Wale, Russell, Bridge, judges; score 94 to 96½. Eggs, $2. Circular free. John Hettich, Bowling Green, Mo. 4-3

DAUPHIN PARK POULTRY YDS.—Light Brahmas, Black Langshans, Buff and White Rocks, Golden, Silver and White Wyandottes, Buff and White Leghorns and Red Caps. Eggs for hatching 8885 Cottage Grove ave., Chicago. 4-3

BUFF PLYMOUTH ROCKS—Exclusively. Eggs $1.50 per 15; 4 sittings $5. Stock for sale. If you are looking for golden buff color throughout, including undercolor, write to Jacob F. Wagner, 510 South Michigan st., South Bend, Ind. 4-3

MRS. H. O. MORRIS, Tiskilwa, Ill., having six year's experience with Barred Rocks (Tibbetts' strain), offers eggs from choice matings at $1.50 per 15. Pullets a specialty at reason-able prices. 4-3

FOUR LEADING BREEDS of poultry, high scoring birds—Black Langshans, Buff and Barred Rock and Buff Cochins. All best strains. Eggs, good hatch, $1 per 15. Central Poultry Yards, Mill Shoals, Ill. 4-3

BUFF PLYMOUTH ROCK EGGS—That will hatch out prize winners. Yard birds score 90 to 93½ by Pierce at the Oxford Poultry Show. Eggs from this yard $2 per 13. Farm Range eggs $1.50 per 13. Address I. T. Bryant, Box 115, Oxford, Ohio. 4-3

BARRED AND BUFF Plymouth Rocks, White Holland Turkeys. Farm raised. Trotting right up with the best. Eggs from prize winners at Carey Show. Try and be convinced. J. A. Fox, Carey, Ohio. 4-3

PLYMOUTH ROCK EGGS—Prize winning and record egg producing Barred Plymouth Rocks, Hawkins strain, $2 per sitting. Address Julius M. Bischoff, 2714 Russell ave., St. Louis, Mo. 4-3

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

S.-c. BLACK MINORCA EGGS—From extra large fowls, 13, $1; 75, $5; 100, $6.50. Delavan Prairie Stock Farm, Delavan, Wis. 4-3

HAWKEYE POULTRY YARDS, Dubuque, Iowa—Eggs from prize winning Light Brahmas, pen 1, at $2 per 13, score 90 to 92 points by McClave; pen 2, at $1 per 13. 3-3

"THE WHITE ROCK MAN" has quality. Yard 1, females 93½ to 95; average 94½; cockerel 94½, cut only ½ point on color. Yard 2, females 91 to 93; cockerel 94; average 93. $1.50 per 15. Few better, none whiter. The White Rock Man, Calla, Ohio. 4-3

FINE Single-comb Black Minorcas, Brown and Buff Leghorn, $2 per sitting. Fertility guaranteed. Stock $2 to $5 each. Mention this paper. C. M. Goodell. Rockford, Ill. 4-3

PIGEONS as large as crows. Large English Runts that will measure 33 to 40 inches from tip to tip. Also Homers of the best Belgian and American strains. J. M. Riel & Sou, 122 Cortez st., Chicago, Ill. 4-99-1yr

F. A. DOOLITTLE, McIntire, Iowa. My Light Brahmas won 1st and 2d prizes at Winona, Minn., (Russell Judge.) Eggs from birds with scores from 92 to 93½ $2.00 per 13. 3-4

H. E. KIPP, Red Hook-on-Hudson, N. Y.—Barred Plymouth Rocks exclusively, Thompson's strain. Eggs for hatching from six choice, well mated yards, $1.50 per 15; $5 per 100. 4-3

BERT KING Breeds choicest strain of Houdans and W. P. Rocks. Stock for sale and eggs 13 for $1.00, 26 for $1.50. Write me your wants, Rockford, Ohio. 4-2

BUFF COCHINS, Barred Rocks. Breeding Stock score 90 to 93½ by Pierce. Eggs, $1.50 and $2 per 15. Best chance to get winners at small cost. Amos Scott. Macomb, Ill. 3-3

WHITE AND BARRED P. Rocks (no white eggs.) Barred, $1 per 13, guarantee hatch of seven. Good stock. Only a few sittings spare. J. G. Westwood, Streator, Ill. 3-3

W. E. RUSSELL, 218 W. Main St., Danville, Ill. Eggs for sale, Cornish Game, per 13, $3; B. P. Rocks, Gold and Silver Wyandottes, per 13, $2. High scoring birds by Hewes. 3-3

BLUE ANDALUSIAN Fowls and Eggs from a vigorous farm-raised, winter-laying strain. Fertile eggs from fine pen of this handsomest variety $1 per sitting. E. T. Froelich, Froelich, Iowa. 3-3

BLUFFTON Road Poultry Farm. White Plymouth Rocks, White Wyandottes, Rose-comb Black Minorcas, Rose-comb Buff Leghorns and Pekin Ducks, $1 per sitting. Henry G. Harber, Sheldon, Ind. 3-3

BUFF AND BARRED P. Rocks. Strains Wilson, Hamm, Hawkins and Thompson. Buff and Barred to the skin. Our birds won at Bloomingburg, Ohio, December, 1898. Eggs, $1 per 15. Paullin Bros, Sedalia, Ohio. 3-3

BANTAMS For Sale—Ten B. B. R. Game Bantam hens and pullets; scored by McClave 93½ to 96; Black Cochins, 90 to 93½. Four Buff Wyandotte Pullets. H. W. Lemon, Mansfield, Ohio. 3-3

BUFF LEGHORNS Exclusively. Prize winning strain. Pure buff color; bright yellow legs. Splendid layers of large white eggs. 13 eggs $1.50. Charles L. Thayer, 69th st. and Union Ave., Chicago. 3-3

UTILITY TRIO—Light Brahma, Felch-Williams-Rollins-Comey. Golden Wyandotte, McKean-Brackenburg. Black Minorca, Duff-Wood. Best eggs $2. Address, Mrs. Clara Bisbee, 75 Clarkson St., Dorchester, Mass. 3-3

GAMES—The first prize cockerel at Chicago (1898) heads my yard of Red Pyles and a 94½ cockerel my pen of Black Breasted Reds. Circular free. F. E. West, Darlington, Wis. 2-99-1y

BUFF AND BARRED Plymouth Rocks, Silver Sebright Bantams. Won four firsts and four seconds on Buff Rocks at fall shows. Stock and eggs for sale. Write for circular. C. D. Pautler, Evansville, Ill. 3-3

EGGS $1.00 per setting of 13, warranted from the very best of stock, Light Brahmas, Barred and White Plymouth Rocks and Partridge Cochins. John Hamilton, Box 221, Cuba, Ill. 3-6

PRIZE WINNERS—Rose and Single-comb Brown Leghorn—greatest laying strain. Having Forsyth's Kulp's, and Bright's stock, also S. c. Whites, eggs from selected matings, $1 per 15; $1.50 per 30. Exhibition Buff Cochins and Buff Leghorns, eggs from winners, $2 per 13. Glenwood Farm. L. M. Hallenbeck, Catskill Station, N. Y. 4-2

AFTER MAY 1ST I will sell eggs from my grand Silver Wyandottes and Houdans that will produce prize winners, at $1 per sitting. L. A. Junod, Mulberry Grove, Ill. 5-3

ORIGINATOR of Buff Brahmas. When I exhibited at Madison Square Garden and N. Y. State Fair won all first and specials. They are the greatest winter layers. Eggs from winners, $2.50 per 13; $4 per 26. Lloyd M. Hallenbeck, Catskill Station, N. Y. 4-2

W. A. BOOKMAN, Hooker, Ohio, breeds S.-c. B. Leghorns, W. P. Rocks and W. H. Turkeys of the finest quality. Eggs, $2 per 15. Turkey eggs, $3 per 11. Stock for sale. Satisfaction guaranteed. 3-99-1yr

L. BROMLEY, Forestville, N. Y. Won on S.-c. B. Leghorns, New York, Pennsylvania and Ohio. Exhibited 21 birds, nine firsts, five seconds and four thirds. Send for catalogue, tells all. 3-3

SHERWOODS. For sale—50 fine, strong Sherwood Cockerels; also 150 Pullets of strong stock. Eggs for incubation a specialty. Write for prices. Smith & Friend, Blanchester, O. 3-3

THREE SILVER Gape Worm Extractors, unequaled, 25c. Hundreds of testimonials and thousands sold. Big profits to agents. Samples and particulars 10c. Dr. Wm. Hallowell, Davisville, Bucks Co., Pa. 3-3

BARRED PLYMOUTH ROCKS, Exclusively. Choice matings of strong, vigorous birds. Eggs for hatching, $1.50 for 15; $2.50 for 30. Try me, I will please you. Perry Ludden, Portville, N. Y. 3-3

AYR PARK FARM, Sturgeon, Mo. Light Brahmas and Pekin Ducks. Cockerels of outstanding merit, with perfect plumage. Overstocked, must sell; $1 and $2. Weight up to the standard. 3-3

D. L. STAUFFER, Spring City, Pa. Eggs from Buff Wyandottes that won the red and blue at Washington, Madison Square, Hagerstown, Mt. Gretna, Poughkeepsie and Middletown. $3 per sitting. Cat. free. 3-3

OUR BUFF LEGHORNS won six firsts and eleven other prizes at Bloomington and Grand Ridge Shows. Our Pekin Ducks won 1st and 3rd on other drakes and ducks. Stock and eggs for sale. Free circular. Bennett & Isham, Mazon, Ill. 3-3

LOOK HERE. I won on S.-c. W. Leghorns at Springfield State Fair, 1st, 2d, 3d Pullets; 1st Breeding Pen: 2d Cockerel. At C. I. P. Show I tied 1st Breeding Pen, 1st Hen; got 2d Cockerel. Some fine birds cheap. Eggs, $1.50 per sitting, straight. Only showed twice. Thos. Telford, Petersburg, Ill. 3-3

PURE BUFF Wyandottes, line bred and bred to win. "A large, fine bird, good in color, shape and comb," says a noted judge of our first prize cock, the foundation head of our strain. Eggs, the kind you want, $2.50 per 15. Catalogue free. H. W. Boles, Deerfield, Utica, N. Y. 3-99-1yr

FOR SALE

EGGS—Limited number White Rock at $1 per 13. Cock 91¾; hens 91½ to 93½ by Chas. McClave. Write Ralph Wilson, Bloomville, O. 4-3

STOP! READ!—Buff Rocks, Blue Andalusians, B. B. R., Game Bantams. Eggs, $1 per 13; $1.75 per 26; Incubator eggs, $5 per 100. Order of me and be pleased. J. T. Essick, Grand Ridge, Ill. 4-3

NOW is the time for Pekin Duck eggs. I have them and will sell them at 75c per sitting. Send a stamp for catalogue. Edwin W. Fly, Chalfant, Pa. 4-3

FOR SALE—White Holland Turkey eggs, 9 for $1.25, or 18 for $2.25; Large Pekin Duck eggs, 11 for $1, or 24 for $2; Barred Plymouth Rock eggs, 15 for $1, or 30 for $1.50. Breeder of Southdown Sheep. A. J. Peugh, Salem, Ind. 4-3

HERE is your chance at farmers' prices. Eggs from Dark Brahmas, Partridge Cochins, White Wyandottes, Barred Rocks, White and Black Minorcas, $1 per 13; 75 per cent. hatch. Frank Balser, Yountsville, Ind. 4 4

PHEASANT EGGS—Ornamental and Game Pheasant, breeding by Wallace, 20c; Ferret Keeper, by Wallace & Son, 10c. Ferret Muzzles, by mail, 20c. Wallace & Son, Lucas, Ohio. 4-3

FOR SALE—Barred P. Rock Eggs from best strains and good strong birds. $4.00 per 100 eggs. Buff P. R. Eggs choice $2.00 per 13 eggs. Pekin Duck Eggs, Pollard strain, large, $1.00 for 11 eggs. Carefully handled. John Baynes, Salem, Ind. 3-tf

ONLY $1 per sitting of 13 for fancy White Plymouth Rock eggs. For quantity write me for prices. A. Langlee, Lanesboro, Minn. 3-3

WHITE HOLLAND Turkey eggs from choice stock, only $2 for 12; $3.50 for 25. A few young toms for sale. M. E. Servoss, Edison, Cook county, Ill. 4-3

EGGS For Hatching from prize winning Plymouth Rocks, (Thompson) Buff and Partridge Cochins, $1.50 per 15. Send for circular. Address, Will Allen, Greenfield, Ill. 3-6

MILLET! MILLET! MILLET! For sale at $1.10 per bu., 2 bu., $2. Nothing better to keep poultry healthy. Try sample and be fully convinced. Old Honesty Poultry Yards, Rockford, Ohio. 3-3

FOR SALE—Cornish Indian, Rose-comb Black Minorca eggs, $3 per 15. Barred Plymouth Rock, Single-comb White and Black Minorca eggs, $1 per 15. Gross Bros., Greene, N. Y. 3-3

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15 EGGS $1. Buff Leghorns, Buff Wyandottes and Buff Cochins. High scoring stock, bred from prize winners. Leghorn pen headed by a 92½ point cock. Frank I. Johnson, Harcourt, Iowa. 3-3

FOR SALE—Barred Plymouth Rocks, Buff Plymouth Rocks, White Plymouth Rocks, Silver Laced Wyandottes and Partridge Cochins. Eggs, $1.50 per 15. Warranted good hatch. Prize winning strains. J. T. Molloy, Laurel, Ia., Marshall Co. 3-3

EGGS—Barred Rocks, (Miles strain) $2 per 15; (Russell strain) $1; Light Brahma, $1; Pekin Ducks, (Rankin strain) $1 per 11. Strawberry, Raspberry and Blackberry Plants. Hollinrake & Son, Keithsburg, Ill. 3-3

EGGS For Hatching from fine stock. Single-comb White Leghorns, Barred Plymouth Rocks, Silver Laced Wyandottes, Buff Cochins, $1 per 15; $4 per 100. For sale by R. F. Redick, Spencerville, O. 3-3

EGGS $2 per 13 from 13 varieties of chickens. Duck eggs $1.50 per 7, 3 varieties. Turkey and Goose eggs 20c each, 2 varieties each. Circulars. Birt Breighner, Clinton, Ill. 3-3

FOR SALE—Stock and eggs from Chicago and Cedar Rapids Winners. Buff Wyandottes, S. G. Dorkings, Dark Brahmas and ten varieties of Bantams. Eggs $2 per sitting; 3 sittings, $5. Express paid. Address, M. F. Yegge, Dewitt, Ia. 3-3

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EGGS FOR INCUBATORS. Barred P. Rocks and S. C. Brown Leghorns $4.00 per 100. Eggs from high scoring pens, same varieties mated for best results. Satisfaction guaranteed. Highland Poultry Farm, Box 714, Des Moines, Ia. 3-3

EGGS From Prize Winners. Partridge Cochins, Black Langshans, Light Brahmas, Imperial Pekin Ducks, $1 per 15. Mammoth White Holland Turkey eggs 15c each, Mrs. H. L. Adair, Clayton, Ill. 3-3

STRANGE TO SAY that Mrs. L. Rummell, of Wyoming, Ia., sells eggs at just $1 per 13 from prize-winning S. Wyandottes; good shape and markings. S. Hamburgs, beautiful spangles, and B. Minorcas. All from leading strains. (12th year.) 3-3

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13 EGGS $1.00, Cockerels $1 each; B. B. R. Games, Light Brahmas, Barred and White Rocks, Buff and Partridge Cochins, Langshans, Javas, White Wyandottes and Buff Cochin Bantams, H. E. Cocroft, Lake Geneva, Wis. 3-3

FANCY PIGEONS for sale or exchange. Want Trumpeter cock, Vim cock or Indian Games, Dark Brahmas, Golden Wyandottes, Pekin Ducks, Sebright Bantams, B. B. R. G. Bantams. F. P. Fergason, Owosso, Mich. 4-3

EGGS FOR SALE From White Plymouth Rocks for a short time at 50c per 13. B. P. Rocks, Golden, White and Silver Wyandottes, White Minorcas, S. S. Hamburgs, L. Brahmas, Buff Leghorns, $1 per 13, till May 15, later one-half price. Write your wants. L. C. Stamm & Co., McConnell, Ill. 3-3

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ONLY FIFTY CENTS per sitting if you order two sittings at a time. Barred, White, Buff Rocks, Buff and R.-c. W. Leghorns, Black Minorcas, Houdans. Dake Poultry Yards, Nunda, N. Y. 3-3

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BARGAINS in S.-c White Leghorns, W. Plymouth Rocks, B. B, R. Games and S. S. Hamburgs, $4 per trio. Eggs, $1 per 13. Rud. Kranz Niles, Cook Co., Ill. 3-3

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EGGS—$1.25 per sitting straight. Ten pens Blue Barred Plymouth Rocks, Hawkins' Royal Blue and Nissley strains. Exclusive breeder. Your choice from cockerel, pullet, single, double, and select matings. F. B. Fenton, Beloit, Wis., River View Farm, Standard Poultry Yards. 4.3

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EGGS—S-c. Brown Leghorns, 50c for 26; B. P. Rocks, Light Brahmas, Pekin Ducks, $1 for 15; Bronze Turkeys, Toulouse Geese, $1.50 per 9. Thoroughbred stock. J. A. Peterson, Vincent. Webster county, Iowa. 4-3

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18 EGGS $1, from pure bred Barred Plymouth Rocks and Light Brahmas. Try me and see if I don't deal honest with you. Mrs. J. J. Fritch Melbern, Williams Co., Ohio. 5-1

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WANTED—Position as manager or assistant for a Poultry-Duck Farm. I know my business. Richard Backer, 311-59 Dearborn street, Chicago, Ill. 4-3

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FOR EXCHANGE—100-size Des Moines Incubator—good as new, have used one season. Will sell for $13 cash or exchange for a '98 model wheel. Geo Gilmore, Beaver Dam, Wis. 3-3

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TO EXCHANGE—Choice pedigreed Collie pups; want W. Wyandottes, Ferrets or cash. What have you? White and Buff P. Rock eggs from winners, $2 per 13. Write A. F. Ackley, Woodstock, Ill. 4-3

FOR EXCHANGE—Wanted Green Bone Cutter, type writer and colony of bees. I have for exchange full blood Poland-China pigs, Barred and White Plymouth Rock and Houdan Eggs from high scoring stock. M. E. Foster, Early, Iowa. 5-1

FOR EXCHANGE—I want to change blood. I have cockerels of known breed, namely: Five Partridge Cochins and four S-c. B. Leghorns. I want Belgian Hares of prolific breed (yearlings) and Turkeys. A. L. Vanden Berghen, River Forrest, Ill. 4 3

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BUFF, Black, Golden, Silver Wyandottes, White Indian Games, White Langshans. Won 143 prizes three shows. Eggs $1 per 15. R. H. Vanderhoof, Newton, Ill. 5-3

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Eggs from pens that scored 94½ to 96½, by Judge H. A. Bridge, $1.50 per sitting; $2 per two sittings. Circular free. Member A. W. P. R. Club. J. S. HOFFMAN, Sharon, Pa.

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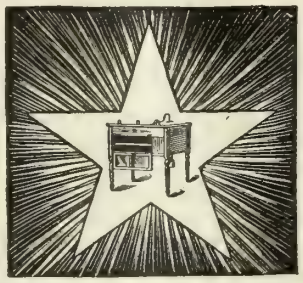
The Star Incubator Never Fails

nor disappoints. No guessing in its operation. Catalogue Free.



Simple, Accurate and no Moisture to be Supplied.

STAR INCUBATOR CO., Bound Brook, N. J.

Boston Show, '99.

White Wyandotte class LARGEST and BEST ever shown in the world (233 birds).

Duston Again Wins the Lion's Share

26 Regular and Special Prizes.

including 1st and 2d cock; 1st cockerel; 2d pullet; 3d hen, &c. Special for best cock and 4 hens, best 5 cockerels, best cockerel and 4 pullets. SILVER CUP for Largest and Best Display, and others.

EGGS *—$3 per sitting: 4 sittings $10, or $15 per 100.*

Those wanting only the best should write me.

ARTHUR G. DUSTON, Box 1020, Marlboro, Mass.

If You Want — Very High Grade —

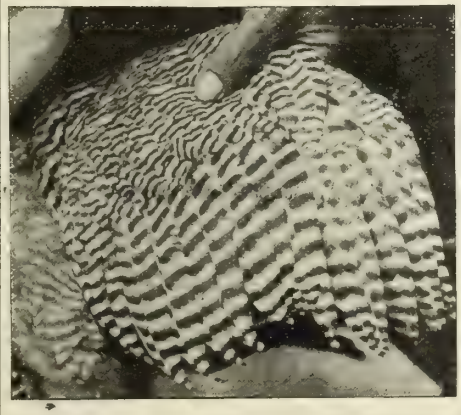


Photo of wing from my crack cockerel.

Barred Rocks

do not delay ordering sittings at earliest possible date, as the supply is quite limited. I make a specialty of quality and not numbers, and then every bird in my 10 breeding pens are bred right and are either tried breeders or very fine show specimens. I fully know that results will please as I now have young chicks three weeks old that are finer than anything raised in past years. Of course my prices are in harmony with fine quality of my strain. If you want cheap sittings and do not mean strictly business do not write. My prices are low for grand quality. Two pens

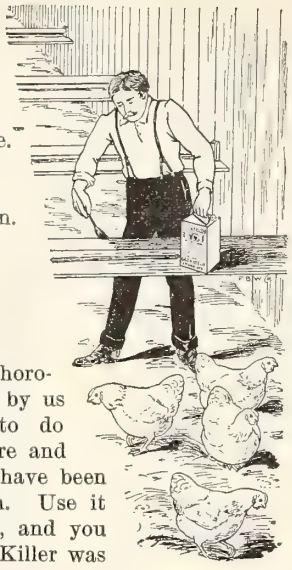
S-c. B. Minorcas,

the pick of 400 birds. I have yet for sale in stock, two B. Rock cockerels at **$50 each.** Prices, &c., by addressing me.

J. B. KIMENOUR, Belvidere, N. J.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Mites and Lice on Your Poultry?



Paint roosts with Lee's Lice Killer.
All done.
Next morning look, and see all lice and mites lying dead on roost boards.
Many customers report finding them in piles a half inch deep where each fowl roosted the night before.
Seeing is believing.
Same with hogs.
Paint rubbing posts or sprinkle floor of sleeping pen.
All done.
No more lice, mites or fleas.
No handling, no labor.
Cheap.
Only 75 cents for a gallon can.

TRY OUR LEE'S LICE KILLER; test it thoroughly, and if you do not find it to be as represented by us we will refund your money. Don't expect a quart to do the work of a gallon. Don't expect a little dab here and there to renovate a large poultry-house that may have been infested for years with mites and other vermin. Use it honestly and with a mixture of common sense, and you will say, with others, that the can of Lee s Lice Killer was the best investment you ever made.

No need to pay a cent for express charges. Your dealer should supply you, as he can readily procure Lee's Lice Killer when ordering other goods, and we now have distributing agents at most principal points in the United States.

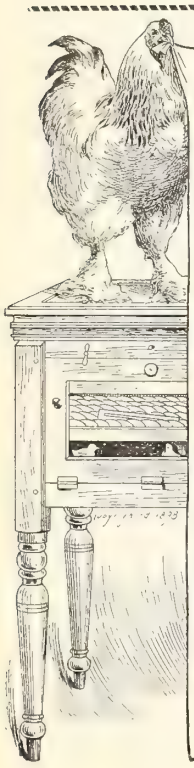
FULL PARTICULARS, LIST OF AGENTS, and 64 PAGE BOOK ON "HOW TO GET RID OF INSECTS AND DISEASES OF POULTRY" mailed free on application. Sample Lee's Lice Killer, prepaid, 10 cents.

PRICES OF LEE'S LICE KILLER:

1 quart can 30c; ½ gal. 50c; 1 gal. 75c.

GEO. H. LEE CO., Omaha, Neb.

or 68 Murray street, New York.



The Roll of Honor

Note the Record:

Used exclusively by the U. S. Government.
Used exclusively by the largest poultry raisers in the world.
Used exclusively by the largest duck raisers in the world.
Used by over 25,000 customers with grand results.

300 First Premiums.

Never Having Suffered Defeat.

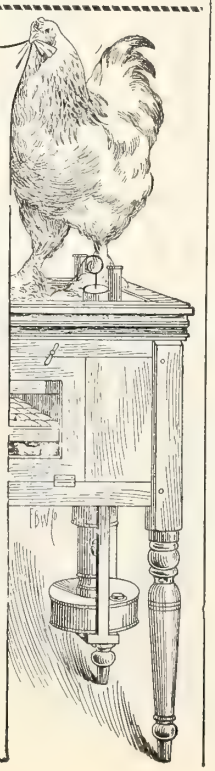
Once a User of Prairie State Machines,

ALWAYS A USER.

No difference whether you live in a city, town or country and raise chickens by the dozen or by the thousand, you want to use Prairie State Incubators and Brooders. Absolutely self-regulating and guaranteed to hatch in any climate. Do not fail to send for catalogue giving full particulars. All machines warranted.

PRAIRIE STATE INCUBATOR CO.,

Homer City, Pa.



COLOR OF PEKIN EGGS.

Will you kindly inform me through your paper what is the true color of a Pekin Duck egg. I have one duck that lays a green egg and others that lay white or china color. There is a difference of opinion about this.

J. B. TAPLEY.

[The writer never saw a pure bred Pekin Duck that produced eggs of any color but white. Sometimes the shells are translucent and the yellow of the yolk shows through and gives the shell a somewhat buff tinge, but this is always very light. I do not say that a Pekin Duck never lays a colored egg, but if I should find such an egg in my pens I would at once try to find the Duck that produced it and sacrifice her at once. I never had very many Pekin Ducks at one time. I think fifty was about the largest number in one year; but not one of them ever laid a colored egg. I remember hearing the matter discussed, pro and con, at a big poultry show; so the matter is not settled. I presume colored eggs from Pekins are not desirable. This is beyond dispute.—M. P.]

FOWL CATCHER.

The above cut illustrates a convenient implement for capturing a fowl

from a flock. It is made by H. N. Hancnett, Jackson, Mich., who is a breeder of Light Brahmas.

RAPE PLANTS FOR POULTRY.

We wonder how many readers of The Journal have tried Victoria rape for poultry? All kinds of fowls eat this seed-plant eagerly. One pound of seed will sow a quarter of an acre. It costs but 30 cents, postpaid. Sown at the rate of ten pounds per acre it will furnish twenty tons of green food for poultry, swine, cattle and sheep. This seed can be procured of the reliable house of John A. Salzer & Co,. La Crosse, Wis. Mention A. P. J.

Change in advertisement for C. M. Davidson, of Chicago Lawn, Ill., came in too late for our May number. In writing he says: "All my surplus breeding cockerels are disposed of, thanks to ad in A. P. J., and orders for eggs are showing up fine."

See Browne & Manns (Austin, Ill.) ad of Pit Games and White Wyandottes in this issue. They prepay express charges on egg orders.

John M. Sontag of St. Charles, Ill., continues his advertising in this issue. For particulars he refers to his large ad in April A. P. J., page 209.

S. B. Johnston & Co., Boggstown, Ind., famous for Bronze Turkeys, Pekin Ducks, B. P. Rocks and supplies, have issued a fine circular.

Willowhurst Brahma Yards, Cedar Rapids, Ia., send out a beautiful catalogue. The Higby strain of Light Brahma are the feature.

ADVERTISING NOTES.

Dr. I. W. Houston, Marshall, Mich., has line-bred pedigreed Buff Rocks. We can personally commend Dr. Houston, who is a well known medical practitioner, and a most intelligent fancier. His 12 pens contain splendid birds. His circulars describe matings and values.

The following is a strong testimonial for eggs from a customer of H. P. Thomas, So. Charleston, Ohio:

H. P. Thomas, So. Charleston, O.—Dear Sir: Two sittings of eggs I got from you hatched yesterday. Hens broke four, all of which contained live chicks (except one, which was broken 10 days ago, which contained strong germ). Balance of eggs hatched all right. Every egg was fertile. Am pleased with my hatch, needless to say. ROBT. R. McGREGOR.

Springfield, Ohio.

Mr. Thomas" winnings on Barred Plymouth Rocks are as follows: At Sabina, Ohio, 1898, won 1st hen, 3rd pullet (cut 3 on weight), 3d pen. B. N. Pierce, judge. At Xenia, Ohio, won 1st hen, 2nd pullet, no pen entered. F. J. Marshall, judge. Winnings on Pekin Ducks: At Springfield, Ohio, 1897, won 1st pair. At Xenia, Ohio, 1898, won 1st pair. At Springfield, Ohio, 1898, won 1st and 2nd pair.

James W. Campbell, Hillsboro, Ky.—I am interested in the Black Minorca. My first pen was from Lewis Richie. I lost the cockerel sent to J. H. Doane. The letter miscarried and I was delayed. Then I got another male from Mr. Richie, but finally the bird reached me from Mr. Doane, and it is worth three times what it cost me. My sittings this season are from advertisers in A. P. J., the very best I can procure.

"O. K. Billy" Hughes, South Portsmouth, R. I., writes that we misunderstood his meaning regarding the sale of his stock because of changes in his plans for his son's business. Mr. Hughes wishes to dispose of only his Langshan Bantams, not his "O. K." strain of Langshans. He says he hopes to live many years to breed his favorite birds and shall continue right at the old stand. He has our earnest congratulations. We hope he will remain in the business for many years to come.

All breeders are interested in a good poultry fence. One of the best we know of is made by Kitselman Bros., Ridgeville, Ind. It is chicken tight and bull strong; costs no more than the flimsy kind. Catalogue free. Write for it today.

F. S. Burch & Co., 178 Michigan st., Chicago.—We are going out of the poultry supply line and have some bargains for poultrymen in the way of bone cutters, Prairie State Incubators and Mann's Cutter, Mica Crystal Grit, to close out our stock. We shall continue to deodorize blood, and hope your readers will not forget us.

Joseph H. Grant, Elmira Heights, N. Y., has winnings recorded to the credit of his Buff Cochins and Light Brahmas that command attention. These birds are in the pens, from which eggs are now offered. Write Mr. Grant, mentioning A. P. J., and secure the advantage of his long experience. He has a few good birds that are for sale, but his special point now is made on eggs.

Buff Plymouth Rocks, Only. . . .

Now "Old Glory" proudly waves o'er Porto Rico; The Philippines are ours, and Cuba free; Vast armies must be paid, you can meet the taxes laid, by breeding Burdick's Nuggets, "don't you see."

My strain is well known as producing the winners at all the leading shows, Chicago, '99, included. Matings for 1899 surpass anything before attempted. Eggs that hatch, for March, April and May, $3 for 15. After May, eggs again half price. Breeding and exhibition stock always reasonable. Fifty fine breeding cockerels reasonable. Write ***H. S. BURDICK, Rome, N. Y.***

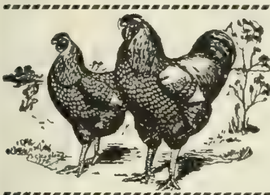
BUFF COCHINS —***EXCLUSIVELY.*** Dec., 1898, at Galena and Dubuque shows they won. Over 600 birds at Galena show. Had 10 highest scoring birds of any variety; also highest scoring pen, now up to weight, score 190¾. No birds in my breeding yards scoring less than 92. If you want eggs from full feathered, up-to-date stock write

A. M. BRICKLER, Galena, Ill.

GOOD AS THE BEST.

FIVE DOLLARS IN GOLD

to any one who wins a prize at any show with stock raised from eggs bought of me. My **White and Barred Rocks** are as good as can be found and will produce winners. Eggs $2. per 13, $3.50 per 26. Write for further information. **H. C. GROOMES, Box 948, New Haven, Conn.**



Doolittle's Wyandottes

Golden, Buff and Partridge.

Winners at Chicago, Washington, D. C., Davenport, Iowa, The great Mid-continental, Kansas and Nebraska state shows. Stock and eggs for sale. Send stamp for catalogue to

W. A. DOOLITTLE, Box 399, Sabetha, Kans.

Buff Leghorn Eggs from pens headed by cockerel 92⅔ and females from 91¾ to 92¾ . . . . . .

SOLID BUFF, no white or black in plumage.

All Customers Satisfied and $2 for 15 Good Hatch Guaranteed.

WILLIAM RUDI, - - - - - Bourbon, Indiana,

Well, Well, Well!

Grant's Buff Cochins and Lt. Brahmas

Again Victorious

at the great Elmira Poultry Show, winning on Buffs, 1st and 3d cocks, 1st, 2d, 3d, 4th and 5th on hens, 3d and 5th on pullets, 1st pen and special on Lt. Brahmas, 2d on cock, defeated for 1st by ½ point, 1st, 2d and 5th on hens, two 3d on cockerels and the mayor of the City Silver Cup for the 10 highest scoring Asiatics. A few good birds left for sale cheap; write at once. Eggs $2.00 per 13 straight. I am New York State Agent for Mrs. Ella Thomas' cholera cure and insect exterminator.

JOSEPH H. GRANT, Elmira Heights, N. Y.

RIGG'S LINE BRED SINCE 1874 HOUDANS

Matings for 1899: The noted Sire and unbeaten Show bird, ***ST. ELMO,*** weight 8½ pounds, score 95¼, is Premier at ***Le Bocage, Imp.,*** score 93½, our first prize cockerel at Chicago, 1899, and sons of ***ST. ELMO*** scoring 94, 94½ and 94¾, also do service. Each and every female in these several pens are ***Above Standard Weight,*** and grand in markings, style and finish.

EGGS FOR HATCHING.

These matings must, in the very nature of things, produce something extra choice—the ***Large, Dark, Typical Houdans*** so much desired. It has been the record of this strain for more than a quarter of a century. Prices, $3 per 13; $5 per 26; $7 per 40.

THOS. F. RIGG, Iowa Falls, Iowa.

Now is the Time

to buy good breeding stock for the coming season.

It will be greatly to your interest to write and get our prices before you buy. We have a fine lot of Houdans, W. P. Rocks, B. P. Rocks and W. Wyandottes to select from. Our prices are low for quality of stock. Your money back if you are not satisfied. We ship at lowest rates possible. Can be be of any use to you ?

Eggs for Hatching balance of season, 13, $2; 26, $3.50.

Old Honesty Poultry Yards, Rockford, Ohio.

A. J. BARGAHISER: Prop.

Millet Seed For Sale at $1.10 a bu.; 10 bu. for $8.

A. H. HANDY, Vanndale, Arkansas,

BARRED PLYMOUTH ROCKS, Only. WRITE ME YOUR WANTS.

A few choice cockerels for sale. Also eggs in season, $2 per 13.

TESTIMONY

NEW BEDFORD, MASS., Jan. 2, 1899.

THE AMERICAN CEREAL CO.

Gentlemen:—March 1st, 1898, I hatched two broods of Golden Wyandottes and immediately began feeding them with *American Poultry Food.* At first I baked it and fed them the crumbs. Later I fed it scalded. They thrived amazingly and early in July commenced laying. About the middle of August I noticed three of them becoming broody and on the 25th placed eggs under two of them. On the 15th of September they hatched me some healthy chicks. All my spring pullets, including some hatched in June, are now laying splendidly. I don't need anything better than *American Poultry Food* in mine.

Yours very truly,

JOHN A. HART.

A Morning Mash

AMERICAN POULTRY FOOD

IT MAKES HENS PAY

Sold only in Sealed and Branded Sacks.

HOW TO MAKE CAKE FOR CHICKS.

Thoroughly mix three pints of American Poultry Food, one pint of clover meal, a third of a teaspoonful of salt, and five teaspoonfuls of baking powder: wet with water or milk to a moderately stiff batter and thoroughly bake in a slow oven; the inside of the cake will serve as a mash, and the outside can be used in place of hard grain.

The cake will be greatly improved by adding a little ground bone. If it is inconvenient to bake the cake, thoroughly scald the mixture, omitting the baking powder, and allow it to cool being careful never to feed the mash in a sloppy condition.

Feed little and often at start, gradually reducing the number of mash feeds until the chickens are placed permanently on three meals a day, after which mash should be fed but once a day.

Practical Poultry Feeding, a little book covering a wide range of subjects of vital interest to Poultrymen, will be sent you free, post paid, on request. Address, **SCIENCE DEPARTMENT,**

THE AMERICAN CEREAL CO., 1353 Monadnock Bldg. CHICAGO, ILL.

Adirondack **BLACK MINORCAS.** Exclusively.

My Minorcas have a show record at **MADISON SQUARE GARDEN**, and elsewhere, which is proof of high quality. They are also bred for layers. **IT IS NOT TOO EARLY TO PLACE YOUR ORDER** for **EGGS** from my best prize matings, **BRED IN LINE**, at $3 for 13; $5 for 26; or $10 for 65 **EGGS**. My Minorcas are noted for size, type and color. Mention A. P. J. and get circular.

J. H. DOANE, Lock Box D, Gouverneur, N. Y.

Weishar's Buff Plymouth Rocks

Were never so fine as this year.

Eggs from my prize winning pens, $3 for 13, $5 for 26, $7 for 39. I have 1st, 2d and 3d on cock; 2d on hen; 1st, 2d and 3d on cockerel; 1st and 2d on pullet; 1st, 2nd and 3d on pens. They have the Golden Buff color throughout, including under color. Address

W. H. WEISHAR, 71 Stephenson st., Freeport, Ill.

SHOWS AND SHOW DATES.

The Jackson Fanciers' Association of Jackson, Mich., name December 18 to 22, 1899, as the time, and I. K. Felch as the judge, of their next show. W. H. Eaton, secretary, Jackson, Mich.

The Michigan Fanciers' Association was organized February 19 and will hold a show at Battle Creek December 12 to 15, 1899. That city is well known as the home of fanciers. The officers are: President, I. W. Houston, Marshall; vice-president, J. H. Haynes, Decatur; secretary, George Hamm, Battle Creek; treasurer, W. R. Wooden, Battle Creek. The executive committee is: Wm. Olive, chairman; Geo. S. Barnes, Edward Bush, C. P. Aldrich, Will Cady, Gilbert Nichols, E. H. Otis, Chas. Hogue and D. E. Lagasse. At this early date the management look for over six hundred birds.

The Northern Illinois Association will hold its eleventh annual exhibition at Belvidere, Ill., January 15 to 20, 1900. F. B. Zimmer, Gloversville, N. Y.; Ben S. Myers, Crawfordsville, Ind., and A. H. Currier, Rockford, Ill., are the judges. The officers are: President, S. U. Teeple; vice-president, H. S. Crandall; recording secretary, P. W. Ransom; treasurer, W. M. Sawyer; corresponding secretary, B. R. Lucas, Belvidere, Ill.

The Iowa Falls (Ia.) Poultry Association elected officers as follows: President, Thos. F. Rigg; vice-president, Ira Buzzell; secretary, W. E. Cutting; treasurer, A. Thomas. The next annual show will be held December 18 to 22, 1899, with F. H. Shellabarger as judge.

C. B. Adair, Lebanon, Ind., secretary of the Boone County P. and P. S. Association, writes: "We have decided to give our show January 1 to 6, 1900, with Jas. O. Tucker as judge. We have one of the finest halls in the state for an exhibition of poultry. The officers are: President, A. B. Jones; vice-president, R. Stephenson; treasurer, E. G. Barnell; superintendent, A. J. Kersey; executive committee, Harmon Bradshaw, T. E. Booker, P. C. Shoemaker, Robert Stephenson, C. S. Byres.

The Michigan State P. and P. Association will hold its next show at Detroit Jan 8 to 13, 1900, with Bridge, Butterfield and Tucker for judges. Communications should be addressed to John A. Grover, secretary, Concord, Mich.

The Central Michigan show will be held at Lansing, December 4 to 9, 1899, with Sharpe Butterfield for judge. Good premiums will be offered and a large exhibit is expected. James C. Welch, secretary, Lansing, Mich.

Butler county, Nebraska, has formed an association to be known as the Butler County Poultry Association, with headquarters at David City. They will hold a show Dec. 18 to 23, 1899, with C. H. Rhodes of North Topeka, Kan., as judge. F. J. Ayres, president, David City; Geo. W. Osterhout, sec. and treas., David City, Neb.

Chas. McClave, New London, O., sends us some specimens of his Embden Goose eggs that indicate the vigor of his stock. The largest weighs 11 oz. and the next in size 10 oz. The eggs are symmetrical and in every way indicative of choice stock.

EMPIRE POULTRY YARDS.

Lt. Brahmas
White Rocks
W. Minorcas
} A Great Trio.

2d Brahma pullet at Troy, N. Y.; 2d breeding pen Rocks, Troy, N. Y.; 2d White Minorca ckl. at Boston, '99. All pens contain high scoring birds. Brahma eggs. $3 per 13; Rock and Minorca $2 per 13. **Mechanicsville, N. Y.**

THE ONLY ONE

Pike's Lice Destroyer is the only lice killer that is sold on a guarantee to kill lice and mites or money refunded. It is no trouble to use it as the liquid is sprinkled on the roosts and kills the vermin while the poultry sleeps.

Pike's Lice Destroyer, per gallon can.....$ .75
Crushed Oyster Shells, per 100 lb. bag ..... .75
Mica Crystal Grit, per 100 lb. bag ..... .75
Ground Bone, per 100 lb. bag..... 2.00

Much lower prices for larger quantities.
Agents wanted. Send for descriptive circulars.

Ship us Your **POULTRY AND EGGS**

SPRAGUE COMMISSION CO.,
218 South Water St., Chicago.

FOR 14 CENTS

We wish to gain this year 200,000 new customers, and hence offer

1 Pkg.	13 Day Radish,	10c
1 Pkg.	Early Ripe Cabbage,	10c
1 "	Earliest Red Beet,	10c
1 "	Long Lightn'g Cucumber	10c
1 "	Salzer's Best Lettuce,	15c
1 "	California Fig Tomato,	20c
1 "	Early Dinner Onion,	10c
3 "	Brilliant Flower Seeds,	15c
Worth $1.00, for 14 cents,		$1.00

Above 10 pkgs. worth $1.00, we will mail you free, together with our great Plant and Seed Catalogue upon receipt of this **notice** & **14c** postage. We invite your trade and know when you once try **Salzer's seeds** you will never get along without them. **Onion Seed 65c.** and up **a lb. Potatoes at $1.20 a Bbl.** Catalog alone 5c. No. 38

JOHN A. SALZER SEED CO., LA CROSSE, WIS.

B. B. RED GAMES and GAME BANTAMS.

With 25 years' experience we breed and sell birds that win. We also breed the best quality of Pit Games.

E. R. SPAULDING,
JAFFREY N. H.

HORSE-HIGH PIG-TIGHT

BULL-STRONG

With our **DUPLEX Automatic Ball-Bearing Machine**, you can use your old plain and barb wire, making 100 styles, and 50 to 70 rods a day. New Wire costs

12 to 22c. per Rod

Makes the best fence on earth. We send Machines on trial. **Were Awarded First Premium and**

Gold Medal

on Machines, Farm and Ornamental Fence at Omaha Exposition. Plain, Barbed and

Coiled Spring Wire

Farm and Ornamental Fence to the farmer at wholesale prices. Illustrated Catalogue Free for the asking. Address

KITSELMAN BROS.
Box 15 Ridgeville, Ind.

GAME AND GAME BANTAM CLUB.

The National Exhibition Game and Game Bantam Club has kept quiet for two months, a long time for "pushers" to be silent, but we want the public to miss us, and this brief notice is simply inserted to tell you why you ought to miss if you don't, and that even if we are not in print in every issue of every paper we are working other ways and are moving along just the same.

Our membership is constantly growing, and the steadily increasing interest in our club and in the varieties we represent is most satisfactory. It all presages a happy future for the Games and Game Bantams, and a rousing big annual show next year. It is not too early to work for that, remember. Every one who has the welfare of these varieties at heart should hasten to join the Club and unite their efforts with ours for the furtherance of our laudable plans. The annual circular will soon be issued, and you will make a mistake if you fail to have your name and address appear therein.

J. C. PRATT, Sec.

Chicago, April 18, 1899.

OHIO STATE SHOW.

The Ohio State Poultry Association will hold its first annual exhibition at Columbus, O., January 18 to 23, 1900, in connection with the Central Ohio Association of Columbus. The event is a national one. The largest hall in the city will be secured and judges of highest reputation will make the awards. The word is on a solid financial basis. For further information address Chas. McClave, sec.-treas., New London, Ohio.

SOUTHWESTERN ASSOCIATION.

The poultry fanciers of Texas, Arkansas, Louisiana, Mississippi, Indian Territory and Oklahoma Territory have united in a joint stock company, under the title of the Southwestern Poultry and Pet Stock Association. The object is to develop the interests of fanciers in that vast region. Headquarters are at Dallas, Tex. The officers are: President, J. G. Webb; secretary-treasurer, H. M. Skelton, of Dallas. The board of directors consists of fifteen well known breeders, among whom is J. E. Lawther of Dallas. The enterprise starts in promisingly and we wish it abundant success.

The Georgetown, Ill., Poultry Association will hold its second annual show January 2 to 6, 1900, with Ben. S. Myers as judge. The secretary is D. H. Bowen, Georgetown, Ill. The other officers are Dr. E. M. Smith, president; Luther Reynolds and Asa Adams, vice-presidents; O. P. Clark, treasurer; Odus Carter, superintendent.

V. J. B., Chester, Mich.—Your fowls are given to the bad habit of feather eating. It comes from idleness and a lack of meat diet, and is hard to cure. It is truly a habit. Now that the flock can run out, observe if any one bird is addicted to the habit. Kill it. Feed meat scraps moderately.

HOUDANS, Exclusively.
Eggs and Birds For Sale,
WOOKEY PLUMS & POULTRY CO.,
Circular free. NORTH PEORIA, ILL.

At Toledo Show, Butterfield, judge; 75 birds in class, my White Rocks won, 1st cock, 1st and 2d hen, 2d (tied 1st) and 4th cockerel, 2d and 5th pullet, 1st pen; 10 birds entered; 10 premiums won. Eggs $2 per 13. Stock for sale.
F. J. PHELPS, Bucyrus, Ohio.

A SMALL POULTRY FARM is better than a gold mine, if you know how to run the business. "Poultry and Pigeon Raising" and "How to Make it Pay" will tell you how to do it. Only 25 cents. Address Edwin W. Fly, Manager Clear View Farm, Chalfont, Pa. 3-3

12 YEARS breeding S-c. Brown Leghorns. If you want to win in the show room and have the best layers on earth send me an order for eggs at $1 25 for 15, or 30 for $2. Stock at a bargain. Send for circular.
C. F. LANG, LaCrosse, Wis.

BUFF COCHINS,
(Oakland Farm Strain).
Plymouth Rocks,
(I. K. Felch Strain).
Prize winners now for sale. Stock mated to get exhibition birds. If you want satisfaction try me. Eggs $1 per 12 until Sept. 1st. Write to-day to HORACE R. BURT, Austin, Tex

COMBINATION NEST EGG and Lice Killer.
Guaranteed to kill all parasites on setting or laying hens. Prevents insects in the nest. Can be recharged with disinfectant at any time. Weight of egg, one ounce. So light can not break eggs under the hen. Agents wanted in every county. Sample by mail 10 cents.
J. H. TINGLEY, Rahway, N. J.

DENNY'S
Buff Rocks.
WINNERS AT
CHICAGO January 1899
AND
NEW YORK February 1899
Look up their records at these places and think of their grand winnings in the past. Remember, I won **more regular awards at the meeting of the club than any other exhibitor.**
Eggs from pens containing winners at the above shows, $3 per 13 and there are
NONE BETTER.
Send for descriptive circular, its free.
W. C. DENNY, Box J, Rochester, N. Y.
Sec'y & Treas. Buff Rock Club.

Ouachita Valley Poultry Farm.
LARGEST IN THE SOUTH.
We have beyond any doubt the grandest lot of young birds ever raised for exhibition and breeding purposes. We never fail to win in the show room, winning last season over 287 prizes on our specialties.
Light Brahmas, C. I. Games,
Barred Plymouth Rocks,
Wild & Bronze Turkeys,
Buff Cochins, S. L. Wyandottes,
Brownie Pit Games,
Pekin Ducks.
Just a trial order will convince any one as to our square dealing and the high quality of our stock Guaranteed to please. Eggs $3. Stock from $2 up.
G. W. BROWN, Prop.,
Camden, Ark.
Send for a sample copy of the Cotton Belt Journal.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

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BLACK MINORCA B. P. ROCK Eggs.

Will sell eggs from above varieties this season at $1.25 per 13. No stock till fall.

J. W. BELL, Chetek, Wis.

BANTAMS - Golden Sebright, Silver Sebright, Black African, White Rosecomb, White Polish, Black Cochin, White Cochin, Buff Pekin, Black Tail Japanese, Red Pile Game, Black Red Game, Golden Duckwing Game, Silver Duckwing Game, Cuckoo Cochin. Eggs $1.50 for 13.

H. D. & H. P. TAYLOR,
274 Warren ave., East, Detroit, Mich.

WHERRY'S
Silver Spangled Hamburgs
are unexcelled in America. Show birds that can win for sale.

G. G. WHERRY, Galena, Ohio.

EGGS FOR SALE

From two choice pens of **Barred Plymouth Rocks**
At $1.50 per 15. Satisfaction guaranteed.

E. F. PEIRCE, Catawba Island, Ohio.

I Breed

Barred Plymouth Rocks,
WINNERS AT WENONA—1 ckl.; 3, 4 pullet 1 breeding pen.

Pekin Ducks and Buff Cochins.
Stock and eggs in season. All inquiries promptly answered.

THOMAS McKEE, Box 142, Washburn, Ill.

REV. JOHN HUGHES, Table Grove, Ill.,
BREEDS FIRST-CLASS
White Plymouth Rocks,
—ALSO—
Barred Plg. Rocks and Buff Cochins.
Eggs after middle of April. Young stock in the fall.

Moses' Buff Plymouth Rocks.

When you pay your money for eggs to hatch you naturally are trying to improve your stock. My Buffs are bred from the best strains in U. S. Try them; you will not be disappointed. Eggs $2 per 15. Member Am. Buff P. Rock Club. Anconas—Branthoovers strain—$2 for 15 eggs. LaFleche—that are fine—$3 for 13 eggs.

C. W. MOSES, Dunkirk, Ohio.

GROVER & GROVER,
CONCORD, MICH.,
Breeders of
WHITE AND BUFF PLYMOUTH ROCKS,
and Black Javas.

Won highest honors at the great Chicago show on White Rocks and Black Javas. Send for record. Eggs $2 per 13; ½ price after June 15.

BUFF

Wilson's Buff Ply Rocks are world renowned winners. They are line bred, and show strength of blood in progeny. Customers are like successful in this country and England. If ambitious to lead, let me aid you also, with birds or eggs.

EGGS $5 for 13; $8 for 26; $10 for 39.

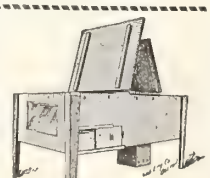
J. D. WILSON, Box 127 A, Worcester, N. Y.

Empire State Farm.
BROWN LEGHORNS.
ROCKS: Buff and White.
GEO. H. BURGOTT,
BROWN LEGHORN SPECIALIST,
NEW YORK AND BOSTON WINNERS. Lawton's Station, N. Y., U. S. A.

Eggs for Hatching, $2 per 13.

THE OLD HOMESTEAD BROODER

will care for 100 chicks until they are old enough to go to the roost; the simplest, cheapest and best Brooder made. Circular free. L. BROWN, Sturbridge, Mass.



ART AND ILLUSTRATION.

In his review of our article on "The Evolution of the Poultry Illustration," B. N. Pierce, in his Fanciers' Gazette, does not touch the point we had in mind. There is in his reply a tone of injury received. We assure Mr. Pierce that there was no unfriendly feeling to him in the criticism of his work. Circumstances combined to make necessary the use of personal examples. Mr. Pierce is the father of poultry engraving in America; as he also is one of the most noted of the original group of poultry judges. Our regard for him and our appreciation of the work he has done are too well known to require specific confirmation. The nature of the article alluded to was critical of a theme, rather than of individuals; although we had to cite instances and name illustrators in proof of our assertions. Mr. Pierce says it "was hardly fair to present a print of our (his) first and rude attempt at wood engraving, changed to suit the wishes and whims" of the then editor of The Journal.

It was both fair and necessary to do so. Our object was to show the evolution of the work, from the germ. The first effort marked the beginning; the engraving was surprisingly good, as viewed in comparison with the latest efforts. Besides, Mr. Pierce now admits that these pictures were made to suit the whims of an editor, while the editor declared that "the engraver has made the hen's legs too long." Yet the picture was called "portraits from life."

Our argument is, therefore, sustained. But Mr. Pierce, in his review, says he will not engage in "arguments as to true art," or other of the essential points raised by us, but simply assert "that for a long series of years, even up to the present time, although such wood cuts and pen drawings may not have as closely represented individual specimens as Mr. Bates seems to think they should have done, still, they undoubtedly pleased those who ordered them."

We admitted this fact of acceptance in our first statement. No engraver has been more popular with the fraternity; but that does not prove the artistic accuracy of the pictures. Many of the breeders desired cuts that showed ideal excellence, and the engraver gratified their "whims." Then those stock cuts were sold to whoever would buy them; and the poultry journals printed them over and over again with the bare-faced falsehood that they were "portraits" of birds "bred and owned by Mr. So-and-So." We plead guilty to this offense against art and morals—our only excuse being that of our inability to get other illustrations.

The same error in ethics obtains today where ideals are made to represent "portraits."

However, much good has been done in the past by these methods—and we claim that much benefit has resulted in the process of the work. We now maintain that mechanical means are at our command to obviate the difficulties of illustration. The camera and the half-tone do show the birds as they are, whatever the breeder and artist may sometimes fancy them to be.

As to the individual specimens being closely represented, we quoted what was written by Mr. Pierce

Cornish Indians, Exclusively.

Five years a breeder of the best ckls, with score cards by Heimlich 91½-93, $2.50 to $5. Eggs in season. Write your wants.

H. S. MARKS, Box 540, Lanark, Ill.

WHITE WYANDOTTES, Only.

Eggs that will hatch a specialty. From stock that are as good as can be found anywhere at any price. They have never had roup or any other disease. They are beauties and will please the most critical. Eggs 13 for $1.50, 26 for $2, 50 for $3, 100 for $5. Reference Havana National Bank.

HARRY HILL, Box 327, Havana, Ill.

1884 ◆◆◆◆ 1899

Skinner's Cochins

Thirteen Premiums on Buff and Partridge against the strongest competition in the world.

I also breed the choicest Light Brahmas, B. P. Rocks, Bronze Turkeys. The sharpest Grit, 50 cents per sack of 150 lbs; 500 lbs for $1. Eggs $1 to $5. Send for Catalogue showing 20 birds by Photo. **O. E. SKINNER, Columbus, Kas.**

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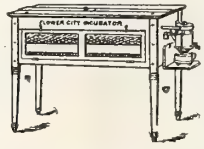

Thousands of these in successful operation, most profitable money makers in existence. All machines are equipped with the very best latest improvements. Large illustrated circular 5c. Large valuable catalog. 10c. Address,

Flower City Incubator Co., Rochester, N. Y.

BARRED P. ROCKS
Exclusively.

My stock is a combination of Bradley Bros. and E. B. Thompson strains, grand in size, color and shape. Also two pens headed by prize-winning cockerels of that magnificent Knoxdale strain. Every bird in my yard is a grand individual and of the best blood in the world. Eggs, $2.50 per 15. Stock sold on approval.

L. H. EDWARDS, Lafayette, Ind.

BUFF WYANDOTTES.

Winners Wherever Shown.

Send for circular giving prizes.

Some fine young stock for sale.

Eggs $2.50 per Sitting.

C. E. ELLSWORTH, Danville, Ill.

Hallock's Pekins

are among the first on the market, are sought for by the trade, command the highest prices and give the best of satisfaction in every way." And it's the same story in the show room—the proof is the long string of blue ribbons they've won at New York, Boston, Washington, D. C., and other shows. Breeders are now ready at money-saving prices. A free booklet gives the particulars.

A. J. HALLOCK,
Box A. Speonk, L. I., N. Y.

OUR EGGS ARE NOT THE DOLLAR KIND

Indian Games, per sett'g. **$8.00**
Buff Ply. Rocks per set'g. **$2.00**
Pekin Ducks, per setting. **$1.50**
Mica Crystal Grit, 100 lbs. $1; ton $7
Cshd OysterSh'ls, 100 lbs. $1; ton $6.50

CUT CLOVER 100 lbs, $1.25; 200 lbs, $2.00
Pure Beef & B, 100 lbs. $2.00
Cracker Cr'bs 100 lbs. $1.50

CLEVELAND POULTRY CO., Plattsburg, N. Y.

PARTRIDGE COCHINS—EXCLUSIVELY—At Detroit Show, Jan. 3 to 8. '99, Sharp Butterfield judge, I won 1, 2, 3, 4 cocks, 93¾, 91½, 90½, 90¼; 1, 2, 4 hens, 93½, 92¾, 92¼; 1, 2, 3. 4 ckls., 94, 93, 93, 91½; 1, 2, 3, 4 pullets, 95, 94,¼ 94, 93¾; 1, 2 pens, 189 1-16, 187 1-16. Choice stock for sale.
JOHN C. STELLWAGEN, Wayne, Mich.

WHITE WYANDOTTES,
Blue Andalusians, Houdans, and G. Sebright Bantams.

Do you want the best? We have them. Eggs $1.50 per 15: $2 50 per 30. Satisfaction guaranteed. For White Wyandottes and Houdans address R. Sutton; for Blue Andalusians and G. Sebright Bantams address H. A. Ripley, both of Richland Center, Wis.

Buff & Barred Plymouth Rocks.

—From the finest strains and stock in America. Bred in line for eggs, size and standard beauty. My birds have won scores of red and blue ribbons at many of the largest shows. Birds for sale, and eggs only $1.25 for 15, and $2.25 for 30.

P. MITCHELL, New Carlisle, Ohio.

EGGS $2 per SITTING,
—FROM—
Hill's Mammoth 15-lb. Light Brahmas.

Fed on Darling & Co.'s Poultry Foods.
Try a sitting and be convinced.
A. H. HILL, Wenona, Ill.

Buff P. Rocks.

That have been shown in hot company for the last five years and have every time been WINNERS. These are the original Coin Gold Strain.
EGGS $2, $2.50 and $3 per sitting.
Address,
ISRAEL ROOT, Bloomington, Ill.

Stay White Rox.
Eggs, 13 for 1.25.
Mammoth Pekin Dux.
Eggs, 11 for $1.25.
Poor hatches replaced.
GEO. OWEN,
Box 32, Wray, Colo.

Buffinton's Buffs

Still take the lead. Hundreds of prizes won at such shows as Madison Square Garden, Buffalo, Hagerstown, Hartford, Providence, Boston and nearly every local show in New England. We have the only flock of good Rhode Island Reds in the country. Eggs from Buff Wyandottes, Buff Plymouth Rocks, Buff Leghorns, and Rhode Island Reds, $2.00 for 13, $5.00 for 40. Buff Cochins, Barred P. Rocks and White Leghorns, $1.25 for 13, $3.00 for 40. Incubator eggs from fairly good stock, $3.00 for 100. $5.00 for 200. For $1.00 we will send receipt of Sampson's method of feeding hens for eggs. Send for circular.

ROWLAND G. BUFFINTON,
Box 677. Fall River, Mass.

Buff Cochins
EXCLUSIVELY.

At Lincoln, Ill., 1899, won as follows in ho company: Entered 15 birds. 1st ckl. 94, 2d ckl· 92½; 1st cock 93½; 1st hen 96¼, 2d hen 94½, 3d hen 94¼; 1st pul 95½, 2d pul. 95, 3d pul. 95, 4th pul. 94¾. 5 other pullets scoring 94, 93½, 93½, 93½ and 93. 1st Pen 189 7-16, 2d Pen 187⅝; also won cash special for highest scoring bird in showroom. My Buffs are grand in shape and color. Birds and eggs for sale. Above birds scored by W. B. Shaner, Judge.

JOSEPH P. DEHNER,
Lincoln, Ill.

Write for circular.

years ago that "the purpose of true art was to represent Nature," and that "individuality in poultry is what we want." Now he asserts that the leading classes have been so highly cultivated that "they look alike and score alike." Therefore, he asks, "What becomes of such individuality theory in pictures?" The reply is: It becomes more easy to secure a typical picture by the camera, if this state of uniformity is already reached; and there is less excuse for making pencil sketches to satisfy breeders.

Mr. Pierce says our statement regarding the possibility of posing a bird is incorrect. There are those who think with us, in spite of our critic's rather acerbic utterance. We detract nothing from the credit due Mr. Pierce or Fancier's Gazette in the work now being done; but perhaps it would be as well for some one not associated with the effort to voice unqualified praise. We admit that the pictures of today are an improvement on those of a quarter of a century ago. We assure Mr. Pierce that we "will allow him to work at them awhile," without envy or personal violence.

We have introduced tnis subject with the best possible intention. It is not a theme to induce acrimonious debate or unkind remarks. We are not, as Mr. Pierce insinuates, suffering from a dose of "sour grapes." He should know that the field is as free to us as to him. The question is: How can we, as publishers, best serve our common cause? Methods, not motives, are involved; and The Journal is trying earnestly to present the matter in a way to result favorably to the poultry fraternity.

—o—

POULTRY IN HAWAII.

A correspondent at Kailua, Hawaii, writes the Des Moines Incubator Co., Des Moines, Ia.:

"There is a great demand for poultry and eggs on the island. Eggs in the country, 140 miles from Honolulu, are 30 cents a dozen. In the city they are now (April 2) 50 cents. Hens sell for 50 cents and $1. The drawbacks are the high price of feed and an animal pest—the mongoose. This creature was introduced from Australia to destroy rats, the enemy of the sugar industry. After killing the rats the mongoose (belonging to the weasel family and used in India to kill snakes) multiplied rapidly. It took to chickens and game birds which nest on the ground. Fowls must be well guarded with wire netting.

"I am much interested in your Des Moines Incubator, and contemplate getting a machine."

—o—

LEE'S SUCCESSFUL WORK.

Geo. H. Lee Co., Omaha, Neb., or 68 Murray st., New York, is known throughout poultrydom for its work in making poultry raising easier and more satisfactory. The success of Lee's Lice Killer is admitted by all who have tried it—and their name is legion. Trade has so increased that an eastern house is necessary to facilitate shipments. There is no excuse for the presence of vermin in the poultry house, now that such remedies can be had cheaply.

—o—

Shade is necessary in the yard.

EGGS EXCHANGED

Mammoth Pekin Duck eggs exchanged for any Standard variety. or 200 lbs. best Limestone Grit, freight paid to your station for one sitting eggs. Stamp for reply.
Silver Creek Poultry Ranch, Lockport, Ill.

ROSE COMB BROWN LEGHORNS

See my record for past three years at Chicago. Chicago 1899, 4 firsts, 1 second, 2 thirds, 1 fourth, 1 fifth. Chicago 1898, 4 firsts, 2 seconds, 1 third, 2 fifths. Chicago 1897, 1 first, 1 second, 1 third, 1 fifth. Some choice cockerels for sale from $2 to $5. Eggs $1.50 for 13; $2.50 for 26.
C. J. LANCASTER, Maywood Cook Co., Ill.

BROWN LEGHORNS,

Single-comb. My strain has always been **WINNERS** wherever exhibited. I think my matings this season are exceptionally fine.
EGGS ONLY $2 PER 13.
Geo. W. Osterhout, DAVID CITY, NEBRASKA.

IMPORTED HOUDANS.

EGGS from Peoria and St. Louis winners at **$1.50 per 13.**
A chance to improve your stock. Address
L. H. WAISNER,
500 12th ave. Milwaukee, Wis.

Good Hatch Guaranteed.

Or will send EGGS FREE to make up.
Best strains Light Brahmas, B. P. Rocks, S-c. Brown Leghorns. Eggs $1 50 per 15. Pekin Duck eggs $1 per 11. M. B. Turkey eggs $3 per 10. Belgian Hares for sale. Catalogue free.
GEO. O. ANDERSON, Homer, Ind.

Light Brahmas—**EXCLUSIVELY** Mammoth Strain.

10 pens headed by **HIGHEST SCORING BRAHMA** at Shenandoah show, and his cockerels by Brown **SCORING 92 to 95.**
Circulars Free. Eggs, $1 to $3 per 13.
J. G. LEMBKE, Box 25, Griswold, Iowa.

Highland Poultry and Fruit Farm.

EGGS $2 per 13; $3 per 26, from the best stock in the West. Light Brahmas, Black Langshans, B. P. Rocks, White-crested Black Polish, S-c. Buff Leghorns. Fine illustrated circular for the asking. Stock for sale.
N. SCHWEINFURTH, Jackson, Mich.

S-c. BR. LEGHORNS,
S-c. BL. MINORCAS.

I won 7 firsts, 2 seconds, 2 thirds at Cleveland and Washington C. H., O. Eggs $1.50 per sitting.
W. H. Wiebke, 266 Beaver ave, Ft. Wayne, Ind

Hanchett's Buff Cochins

Possess that coveted Cochin shape, solid buff color and massive leg and toe feathering. Can spare a few eggs at $2 per 13 and guarantee a fair hatch. Photographs on application.

Hanchett's Fowl Catcher

Is a new and clever device for catching fowls at a distance of 4 to 8 feet *without the usual frightening and bruising of birds.* Sent postpaid for 25c, or free with each egg order. Endorsed by Editor of A. P. J.

H. N. HANCHETT, Jackson, Mich.

RALPH HOGE,
Hubbardston, - - - Mich.,
—BREEDS FINE—
HOUDAN FOWLS

Fine stock always for sale. Eggs $1.50 per 15; $2.75 per 30. Michigan Vice-President American Houdan Club.

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BRABAZON'S POULTRY CATALOGUE FREE! It's a beauty; over 50 colored plates. Illustrates and describes fine Turkeys, Geese, Ducks and chickens; gives prices of fowls & eggs. Finest Buyer's Guide published. Inclose 10c. for postage, etc. J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

Poultry Printing That Will Give Returns

Samples and Prices Free.

B. F. HUNTINGTON, Platteville, Wis.

ROBERT'S LIGHT BRAHMAS and Rose-comb Wh. Leghorns are carefully mated for best results. Moderate prices, ready sales and satisfied customers my motto. Eggs, $1.50 per 15, straight.

CLARENCE R. ROBERTS, Plymouth, Ind.

A BARGAIN—245-acre farm. Cuts 60 tons hay; fine buildings; nice pastures; 2,000 sugar trees; all sugar tools; R. R. 5 miles; healthy location; $1,400.

GUNN & CO., Marlboro Depot, N. H.

PAGE'S S-C. BLACK MINORCAS. My stock is bred from the best strains that can be produced. Perfect in size, shape and style. They are thoroughbred and up-to-date. Eggs that will hatch, from my best pens $1.50 per 13. Satisfactory hatch or sitting duplicated. Circulars free.

H. D. PAGE, Ira, Cayuga Co., N. Y.

EXPRESS PAID on stock and eggs on farm-range W. Wyandottes, Bar. P. Rocks, Buff Leghorns, R. c. W. Leghorns. Eggs $1.50 per 15; $2.50 per 30; $5 per 100. Address all orders.

N. K. MENDELS, Ada, Mich.

A fine trio of S. S. Hamburgs for sale at $4.

Buff Plymouth Rocks.

Pure Nugget Strain Only.

Indiana State Fair Winners, 1898. Won 1st cock, 2d cock, 2d breeding pen on four entries. Eggs $2 per 13; $3.50 per 26. Stock for sale. Member American Buff P. Rock Club.

MRS. E. I. REYNOLDS, Haskells, Ind.

HOUDANS.

My breeding pen this season is headed by the first prize cockerel at Johnstown, Rochester and Elmira, score 93. He is mated to hens and pullets equally as good. Eggs from this pen $1.50 per 13, or $2.50 per 26. Am also breeding Blk. Langshans, American Dominiques and White Wyandottes. Eggs from these pens same price as Houdans. A few cockerels of each variety to spare. Member Am. Houdan Club,

H. D. THOMPSON, Wheeler, N. Y.

2000 PREMIUMS were awarded my fowls at 12 State Shows in 1898. LARGEST RANCH in the west. We breed sixty varieties of **FOWLS & EGGS** choice land and water fowls. They are FARM GROWN which makes them strong and thrifty **FOR SALE** Send five one-cent stamps for new large illustrated catalogue.

CHAS. GAMMERDINGER, Box 48, COLUMBUS, OHIO.

Dewey Has Won Prizes.

My **SUPERB Single-comb BROWN LEGHORNS** will **WIN** too. No stock scoring less than 92. My breeders are beautiful. Stock at reasonable rates for elegant birds. Sitting of 15 eggs, in fancy box, from these breeders for 2$, express paid.

C. M. STEINMETZ,
Breeder and Proprietor,

Rosehill Poultry & Fruit Farm, Rosehill, N. C.

Cornish Indians.

Large Size, Grand Style, Standard color-markings Characterize my birds.

My superb stock, now reinforced by that of L. B. Richardson of Chicago, including his imported birds and prize winners, cannot fail to give very best results to my patrons.

WILL. S. TEMPLETON, Dakota, Ill.

Exhibition Birds a Specialty.
Absolute Satisfaction Guaranteed. 4-2

SCORE CARD OR COMPARISON?

An important question will be considered, and probably decided, by the National Fanciers' Association at the next monthly meeting. The method of judging, and the list of judges, will be determined.

This issue of The Journal will not reach its readers in time to participate in the discussion; while we shall abide by the majority opinion and do all in our power to further the work of the association along the line chosen, whichever it may be, we define our attitude in advance of formal action by the association.

The Journal has always been a persistent advocate of the score-card system of judging. The card is a necessity in the earlier stages of the fancy. A written score by a recognized judge is a form of warrantee deed. Not all breeders can show a card asserting that Judge So-and-Such says the bird is a 93-pointer. We all know that these evidences, when they come to quartering points on a scale of 100, are arbitrary; but this is the best system yet devised for determining values from a fancier's view-point. As a matter of fact, the intrinsic worth of a bird as a breeder is not confirmed or annulled by any judgment outside the actual pen; but the show value of the specimen is determined in this manner.

The pleasure of raising birds consists largely in the ability to win prizes at competitive exhibitions. These trophies are frequently about the only reward a true fancier gets—or even seeks. The bigger the show, the keener the delight in carrying off the cup or ribbon.

There is, however, another phase of this conquest; the newer fancier is dependent upon his "show record" for sales. Private scoring, or personal scoring, counts for very little in the latter days. The reputation that commands large trade and long prices is built upon show winnings. Yards containing birds scored by Felch, or Pierce, or any one of the original dozen judges, were unquestioned for many years, but times change and methods must keep pace with altered conditions. When shows were comprised of a few hundred specimens, the individual-scoring plan was practicable. Public interest was less in those days. The fanciers themselves were content to await patiently the putting up of the ribbons on the last day of the exhibition. Now the more important events contain an array of several thousand birds, and the exhibitors require quicker judgment—they want to let the thousands of visitors know how their birds are valued.

In order to meet this modern demand, the managers of the New York and Boston shows adopted the system in vogue in England (with some modifications) and defied the wrath of Jovian Felch and the contempt of Diogenes Pierce. But those shows set the pace. They became the models for others.

The Journal concedes the benefits of card-judging in the earlier days of shows, and still advocates it for the smaller exhibitions, where many of the exhibitors are novices and there is danger of having some huckster run in a carload of stuff and freeze out honest breeders. But we realize that the time has come when the Chicago

ONLY 10 CENTS for our formula to make **SNAP SHOT LICE PAINT.** The best lice killer and germicide known. It has killed millions of lice and saved many fowls from disease. Printed with full directions.

LICE PAINT CO., Havana, Ill.

WHITE PLYMOUTH ROCKS.

Eggs for sale from two pens. Pen No. 1—headed by cockerel direct from Hawkins, mated with hens and pullets of same strain scoring as high as 93½; score cards by Shellabarger; one sitting $2; two sittings $3.50. Pen No. 2—headed by Empire cock, mated with hens and pullets of same strain, all fine birds; one sitting $1.50; two sittings $2.50 Address Poul P. Harshman, Sunny Side Poultry Yards, Sullivan, Ill.

DON'T SET A HEN

—ON—

Buff Rock Eggs

until you have read my circular—free for the asking.

I. W. HOUSTON, Marshall, Mich.

Blue Barred Plymouth Rocks,

Bradley Bros. Strain.

Large and showy, well barred, fine in shape and color, and no brassiness; legs and beaks a nice orange color. They are as fine a flock as there is the West. I have bred them 2 years and have been very particular to breed them to the Standard. Eggs, $2.50 per 13. No circulars. Write for price.

LEVI McNETT, Woodstock, Ill.

S. D. MANDEVILLE, Sidney, Ill.,

BREEDER OF

Wh. Holland Turkeys & Black Cayuga Ducks.

My strain of White Holland Turkeys and Cayuga Ducks is second to none in the poultry fraternity. Have never failed to take the blue ribbon wherever exhibited. 18 years a breeder of Cayuga Ducks and 9 years of H. Turkeys. Eggs and stock for sale. Stock priced on application Price of eggs for hatching. Turkey eggs $2 per sitting of 9; Duck eggs $1.25 per sitting of 11. Write me mentioning American Poultry Journal

Barred Plymouth Rocks.

Scoring 90 to 93½.
by Bicknell and Russell.

Empire strain White Rocks to 94. New blood from best eastern breeders every year. Eggs $2 per 15; $5 per 45. Correspondence solicited.

M. M. WILLETT, L. E. BRUNSON.
Plymouth, Mich.

23 Years a Breeder

....of Prize Winning....

B. P. ROCKS.

A few cockerels and pullets to sell. Eggs from nine grand matings at $2 to $4 per 13. Circular free. Mention this journal.

JOE FARMER, Flushing, Ohio.

WHITE ROCKS.

Are all Sold for this Season,

My pens are now mated and I am ready to sell you eggs from pure White P. Rocks. Eggs $1.50 per sitting or two sittings for $2.50.

W. M. JAMES,
Box 123. Alvin, Ill.

Burhans Buff Rock Eggs

are all right and guaranteed to hatch well.

Five Dollars in Gold will be given to buyers of eggs.

Send for particulars.

BURHAN'S BUFF ROCK FARM,
Seward, Neb.

A NEW CAPON TOOL

THE TRIUMPH.

The "Slip Problem" Solved.

Set of Six Pieces, in neat box, $3.00 Postpaid. Send stamp for Illustrated Catalogue.

Allerton Caponizer Mfg. Co., Allerton, Ia.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

show should be put upon the plane of a strictly metropolitan exhibition. This can be done only by adopting methods indorsed by the best known fanciers, in order to secure their presence at our show. This idea looks ultimately to a great circuit of shows, including New York, Philadelphia, Boston, Toronto, Cincinnati, Cleveland, Indianapolis, Chicago, Omaha, Kansas City, or some such chain. All of these must be associated—say a federation of clubs. From these central points the local organizations will radiate. In other words, the time is not far distant when the united workers in the poultry industry will be practically an international body, co-operating with American Poultry Association but distinct therefrom, with the chief purpose of holding exhibitions. The work is educational—it is colossal.

We do not mean to say that a failure to adopt comparison judging at the Chicago show next January will offend us. We merely say that the adoption of that system is eventually inevitable, and that we yield to the change of system without abating our views on the merits of the card system when that is feasible. We think the Chicago show has outgrown the card plan, that is all.

If the association votes to retain the card it will doubtless find its decision unsatisfactory and abandon it in 1901.

At the fanciers' banquet last winter, while our show was on, a tie vote was recorded on this question. Opinion is very evenly divided in the association Therefore, whatever action is had now, there will be a numerous following and a successful show. But if comparison is chosen we shall make the theme a frequent one in these pages, in explanation and argument. If the card is retained, our western readers will require no special effort to remain loyal to it, but our eastern friends cannot be looked to for a very cordial support of a plan they have discarded in their own shows.

POULTRY DISEASES DEPARTMENT.

A series of articles on diseases of poultry, their prevention and cure, was begun in the April issue of The Journal, and will be continued in future numbers. These papers are by N. W. Sanborn, M. D., a practicing physicial and a practical poultryman. Dr. Sanborn is thus doubly qualified to write to this theme.

Subscribers to The Journal may send inquiries to this office regarding their fowls, when in doubt as to the ailment affecting them; but such letters, unless accompanied by a fee to pay Dr. Sanborn for his private opinion, will be treated in a general way through The Journal. This takes time. In most cases, our correspondents desire immediate reply, expecting us to advise them by return mail, in order to save a particular bird. Such an answer is impossible from Dr. Sanborn, who is a busy man. We can promise only to treat inquiries in the manner stated, for the public good. Letters describing symptoms and experiences are solicited from our readers.

Cut clover is a good substitute for cabbage, as a green food.

POTATOES $1.20 a Bbl.

Largest Seed POTATO growers in America. The "Rural New-Yorker" gives Salzer's Earliest a yield of 164 bus. per acre—ripe in 28 days. See Catalogue for prices. Our great Seed Book, 10 Farm Seed Samples, worth $10 to get a start, for 10c. postage. JOHN A. SALZER SEED CO., LaCrosse, Wis.

Black Langshans, White Rocks and Belgian Hares.

Eggs $3 per 15, prepaid and guaranteed 60 per cent fertile. Reduction on larger orders. Stock shipped on approval.

A. S. PARSON,
Garden City, Kas.

Silver Laced Wyandotte EGGS.

My yards contain the winners from Dubuque and Galena, Poultry Shows, Dec. '98. At Dubuque 1st cock, 1st hen, 1st and 3d cockerel, 2d and 3d pullet. At Galena 1st cock, 1st hen, 1st, 2d and 3d cockerel, 2d and 3d pullet, and 1st and 2d pen scores, 90 to 93¼. Eggs $2. per 13 straight.
F. J. HOELTING, Galena, Ill.

White Wyandottes and S-c. Buff Leghorns.

Winners at
Chicago, Coldwater, Sturgis.
Eggs $2 per 15 in season. Stock for sale at all times. Satisfaction guaranteed. Circular free. Correspondence solicited.
CHAS. F. HOWE, Coldwater, Mich.

A grand lot of Buff Rock Cockerels, Fine style, size And color. Bargains.

Buff Plymouth Rocks, Cornish Indians, Buff Leghorns and B. B. R. G. Bantams.

S. A. NOFTZGER, North Manchester, Ind.

Cut Prices on Choice Eggs

As an inducement to secure new customers I will sell eggs this spring at a reduced price for the next 30 days to the readers of this paper only. If you wish to take advantage of this offer it will be necessary to place your order at once. Our varieties we will sell eggs from are as follows, all mated up for best results, and will be sure to breed you some very choice stock:

L. B. Pen No. 1,	per 13 eggs, $1.75	Black Minorcas,	per 13 eggs, $1.25
" " " 2,	" 1.50	Rose-comb Black Minorcas,	" 2.25
B. P. R. Cockerel Breeders,	" 2.00	W. C. B. Polish,	" 2.50
" Pullet "	" 2.00	Red Caps,	" 2.50
P. Cochins,	" 1.75	S-c. B. Leghorns,	" 1.00
Buff "	" 1.75	" W. "	" 1.00
White P. Rocks,	" 1.50	R-c. B. "	" 1.50
Pea-comb B. P. Rocks,	" 3.00	" W. "	" 1.50
" " W. P. Rocks,	" 3.00	Buff Leghorns, Pen No. 1,	" 2.00
Buff P. Rocks,	" 3.00	" " " 2,	" 1.75
Black Javas,	" 1.75	S. S. Hamburgs,	" 1.50
Langshans,	" 1.75	Sherwoods,	" 4.00
S. Laced Wyandottes,	" 1.50	Indian Games - imported,	" 3.75
G. " "	" 1.75	Black Breasted Red Games,	" 1.50
W. Wyandottes,	" 1.75	Pekin Ducks,	" 1.50

Send 15c for my large 84-page Poultry Guide, the largest and most complete Poultry Guide and Doctor out.

JOHN BAUSCHER, JR., Box 130, Freeport, Ill.

THE J.W. MILLER CO. guarantee all EGGS TO BE

A Great Mistake.

You will surely make a great mistake if you place your order for eggs before you see our prices for 1899. All our eggs for hatching will be from stock scoring 90 to 95 points. We guarantee this and will satisfy any reasonable person on this point. Our prices are low, very low. Quality of stock considered we sell eggs at a lower price than any other breeder in America. Our catalogue is just what every person interested in poultry should have. It is one of the largest and best poultry books ever published. It tells all about our poultry, our way of doing business, and will tell you our prices of fowls and eggs. And what is best of all, we send it FREE.

Address, J. W. MILLER CO., box 444, Freeport, Ill.

ATKINSON

AMONG OUR ADVERTISERS.

Crescent Farm, Kent, O., Rev. Henry M .Ladd, D. D., proprietor; E. T. Blood, manager, has issued a beautiful circular, describing the White Leghorn, Barred and Buff Rocks and Buff Cochins raised on that well-ordered place.

Ed. B. Murphy, Carmel, Ind., makes B. P. Rocks and S-c. B. Leghorns his specialties. He is able to supply eggs from continuous-winners. He also has White Rocks and White Wyandottes of the finest strains.

George S. Barnes of Battle Creek, Mich., fancier of Buff Leghorns and Games, has issued a fine circular. He has ample room near town and is preparing to extend his yards, having recently acquired a 45-acre tract, in addition to his six-acre home-place.

E. A. Phelps of Austinburg, Ohio, has a change of ad, announcing price of his Buff Plymouth Rocks, Buff Wyandottes and Buff Leghorns, and his guarantee.

M. Bliss Dewey of Concord, Mich., one of A. P. J.'s old advertisers, has an important change in his ad this month, announcing price of eggs. Mr. Dewey has had a splendid record of winnings, as follows: South Bend, Ind., Dec., '98, 1st hen, 1st cockerel; Detroit, Jan., '99, in a class of 165 Barred Rocks, 1st and 3d hen, 1st pullet, 3 breeding pen. His Black Minorcas have been winners at World's Fair, Chicago, '98; Detroit, '98-'99. His Buff Rocks won at Michigan State Fair, Sept., '98.

E. B. Morgan & Son of Loda, Ill., write they have some fine B. Langshan cockerels to spare, but Rocks and Brahmas are all sold. See their new ad for prices on eggs.

Breeders who contemplate buying W. Wyandottes, Houdans, Blue Andalusians and G. Sebright Bantams, eggs and stock, will not miss it by looking up, in this issue, the ad of R. Sutton and H. A. Ripley of Richland Center, Wis. Their stock is bred from the best strains.

H. H. Wallis, Delavan, Wis., ornaments his circulars and stationery with beautiful half-tone views of local scenery. He raises S-c. B. Minorcas exclusively.

As egg producers there has not yet been found a breed of fowls that, taken as a whole, will equal the Leghorn class. And when it is desired to combine beauty with profit, you can always depend on the Single-Comb Brown Leghorns. C. M. Davidson of Chicago Lawn, Ill., handles this kind exclusively. He has issued a very attractive circular descriptive of this year's matings, that should be in the hands of every one contemplating the purchase of either stock or eggs from this standard breed.

Paul B. Harshman, Sullivan, Ill., who breeds Empire and Hawkins strains of Rocks, White and Barred, guarantees satisfaction on all egg orders. His stock is up to the very best, and is in fine condition. Mention A. P. J.

F. A. Doolittle, McIntire, Ia.—I have had the best trade this year I have ever had, and can thank A. P. J. for a good share of it. My Light Brahmas won 1st and 2nd at Winona, Minn., and I was offered a long price for them, but they are as good for me as any one. Other success were had. I have yet to find a poultry paper that beats A. P. J.

1885 —IF YOU WANT THE BEST— 1899

Bronze Turkeys, Barred P. Rocks, White Wyandottes, Buff P. Bantams and Embden Geese, write me for prices. I also breed prize-winning Oxford-Down Sheep. Mention A. P. J.

W. N. SMITH, Ohio, Ill.

BRAHMAS, LIGHT DARK
COCHINS, Buff, Black and Partridge
LANGSHANS, BLACK

Barred White **PLYMOUTH ROCKS**
S-c. B. R-c. B. **LEGHORNS**
CORNISH INDIAN GAMES.

These in the heavier breeds—Grand good ones,
In the pens are also found extra specimens of
Black Minorcas, W. F. Black Spanish, S. S. Hamburgs.

Special For Quick Sale

I want to sell some fine cockerels: 6 Wh. P. Rock, 2 R-c. B. and 4 S-c. B. Leghorn, 1 S. Wyandotte, 10 B. P. Rock, 3 Black Langshan, 2 Black Minorca, 2 Houdan, 1 Dorking.

RAINEY MILLER, Champaign, Ill.

Lake's Special Offer for May.

For 50 cts. We will send a half-gallon can of ***Lake's Lice Exterminator,*** which will rid your housesand birds clear of lice and mites in a few hours by painting the roosts, drop boards and nest boxes; and a half-pint bottle of ***Lake's Poultry Tonic,*** which prevents and cures bowel trouble, roup, cholera and indigestion; it is also the greatest egg producer and conditioner for poultry known.

For 75 cts. We will send a one gallon can of ***Lake's Lice Exterminator*** and a half-pint bottle of ***Lake's Poultry Tonic.***

Send for a sample order and if suited take the agency in your vicinity. Address,

G. W. LAKE,
Gen. Manager.

LAKE REMEDY CO.,
St. Louis, Mo.

White Cochins | **Black Langshans** | **Single-Combed Brown Leghorns**
Barred Plymouth Rocks | **Light Brahmas** | **Pekin Ducks**
White Plymouth Rocks | **Cornish Indian Games** | **Bronze Turkeys**

Bred at Poplar Farm

Mahomet, Illinois.

Write R. D. Burnham, Champaign, Illinois, Sup't Poultry Exhibit of Champaign County Fair Association for premium list for 1899 exhibit.

ALL stock is farm raised from pens mated to secure best results. We do not have as many birds as some but every pen is carefully culled and nothing but the best are retained for breeders. All eggs will be carefully packed and safe arrival guaranteed. All inquiries should be addressed to

Edward Kuster, Sup't, Mahomet, Ills. **R. D. BURNHAM, Owner.** Champaign, Ills.

EGGS FOR HATCHING

From 40 of the leading varieties of Standard Thoroughbred Fowls.

$1.50 for 13 or $2.50 for 26.

Imperial Pekin or Rouen Duck eggs, $1.50 for 11. Toulouse Geese eggs, $2.00 for 9. White Holland or Bronze Turkey Eggs, $2.00 for 9.

WE guarantee all eggs shipped by us to reach you in good condition, to breed true to name, to be fertile and 50 per cent. to hatch out live chicks, or we will duplicate the order at half price. Now is the time to order eggs, as chicks hatched in March, April or May, if properly taken care of, will be sufficiently matured to show at the Fairs this fall or the Poultry Shows this winter. Buy eggs, raise some ***thoroughbreds*** and introduce new blood in your flocks. It is cheaper and more satisfactory than paying long prices for matured birds. All letters of inquiry cheerfully answered and orders carefully filled by the

EVERGREEN POULTRY FARM CO.,

P. O. Box, 333. **FREEPORT, ILLS.**

Buff P. Rocks, Single and Rose-comb Buff Leghorns; my own "ORANGE STRAIN" exhibition and breeding birds now for sale at right prices. Write,
L. B. HANNA, Columbus City, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

TALBERTS LIGHT BRAHMAS

Won four of the five first premiums at the Trans-Mississippi and International Exposition; also 1 second and 2 sweepstakes on five entries. If you want good stock write us.

MR. & MRS. O. D. TALBERT, 1817 Lake st., Omaha, Neb.

THEY ARE BRED FOR EGGS AND MEAT.

LIGHT BRAHMAS, WHITE WYANDOTTES, S-C WHITE LEGHORNS.

We use none but strictly hardy, vigorous birds in our breeding pens—keeping as close to Standard requirements as is consistent for good health and profit.

Eggs for Hatching Only $1.25 per sitting of 15.

Utility being our aim. Orders booked now. Michael K. Boyer, Hammonton, Atlantic Co., N. J.

EGGS Stuckey's Buff Rocks

Are ***birds of highest quality,*** also ***prize winners*** and high scoring and mated to produce best results.

EGGS Fancy Buff Leghorns.

Popular strains. ***No better East or West*** than some of my ***prize-winners. White Rox*** of rare quality. Plenty of eggs after March 1st from vigorous farm range birds. Send for circular before ordering.

C. J. STUCKEY, Mechanicsburg, Ohio.

MAMMOTH LIGHT BRAHMAS.

Prize Winners at the Great Chicago and Peoria Shows, 1899.

Have some extra good birds for sale. Eggs in season $3 per 13. Rouen Ducks, eggs $1 per 11.

Mention this paper. MRS. S. M. ROBINSON: Washburn, Ill.

WE, THE PIONEER SHIPPERS

of White Plymouth Rock eggs by the hundred at a small figure, would be tickled most to death to receive your order. Have in the fruit belt, near Bangor, Mich , our new location, a 40-acre farm which will be utilized for the production of W. P. R. eggs and fruit entirely. We must expand very rapidly to meet the ever increasing demand for these eggs, and hope by another year to be able to cope with the same. Be not afraid of our offer. It is intelligent, enterprising and faithful. Eggs $3.00 per 100; $2.00 per 50, so packed as to travel with entire safety any distance without the least jarring, a very important matter. **BANGOR WHITE P. ROCK EGG FARM, BANGOR, MICH.**, 85 miles east of Chicago. Western shipping point, Buckingham, Ill.

A. HOLMES.

CRESCENT'S S.C.B.LEGHORNS

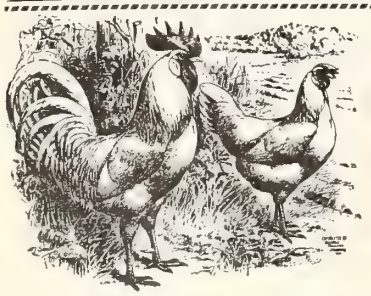
FRANCIS P. CRESCENT, Mngr.,

1532, 23d st., Milwaukee, Wisconsin.

NO USE TALKING, you know as well as anybody else that we have the most prolific laying strain of S-c. Brown Leghorns to be found, without our continually telling you so.

WHAT'S THAT YOU SAY? Suppose you are not satisfied. Why then we will return your money as cheerfully as we took it; that is our way of doing business. Brown Leghorns exclusively,

Eggs, $1 per 13. Write for circulsr—Free.



Wyckoff's White Leghorns

America's Business Hen.

Have been carefully bred and improved for the past 18 years regardless of expense and on the strictest application of the true principals of Leghorn breeding, with a result that fully justifies their acknowledgment everywhere as the World's Greatest Laying strain of S-c. W. Leghorns, combined with the highest degree of excellence in Standard qualities, size and vigor and layers of large, white, perfectly shaped eggs that command the highest premium in the finest city markets. Hundreds of unsolicited testimonials recently received from customers in all parts of the country, testify not only to their superior laying qualities but also to the many victories and high scores awarded them in the show rooms. Good breeding stock in early cockerels and 1897 hatched hens yet for sale. Eggs for hatching from my choicest selections and matings only, the cream of our 1,200 carefully bred birds. No close inbreeding ever practiced in my yards.

Eggs $2.00 per 15, $3.75 per 30, $5.00 per 45, $10.00 per 100.

Large illustrated and descriptive circular free. Address

C. H. WYCKOFF,
Box 314, Groton, N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

RUSSIAN POULTRY CONGRESS.

During the present month an International Congress of poultry breeders is to be held at St. Petersburg, Russia. By sanction of the Tsar, the Russian Poultry Society has invited the poultrymen of the world to join in discussion of themes appropriate to such an occasion. The Honorary President of the Russian Poultry Society is H. I. H. the Grand Duke Nicolai Nicolaevitch, who is likewise Honorary President of the Congress. The work of the Congress includes essays in French on all subjects appertaining to the development of poultry culture in Russia, both in the fancy and the commercial phases. The papers will be rendered into English, German and Russian. Russia offers a great field for American poultry breeders and manufacturers of poultry-yard appliances. The Journal regrets its inability to be present at the Congress, and expresses appreciation of the compliment of an invitation to attend, tendered by M. Vladimir Isanovitch Veshniakoff, Privy Councilor, Member of the Council of State and President of the Congress.

BUFF PLYMOUTH ROCK CLUB.

The American Buff Plymouth Rock Club has now nearly 180 members, who represent the entire country. A liberal policy is followed in selecting the place of annual meeting and in devising ways and means to enhance the interests of Buff Rock breeders. The past season the offerings were the Club cup and state cups for Ohio, New York, Indiana, Nebraska and Illinois, at an aggregate value of $150. This year at least 12 cups will be offered. The Club is setting a pace. The president is F. C. Shepherd, Toledo, O., and vice-president is G. W. Hamm, Battle Creek, Mich. The popularity of this variety, and the admirable management of the Club, make membership more than desirable. To a breeder of Buff Rocks it is a necessity in order to keep up with the procession. The fee is $1. All correspondence should be addressed to W. C. Denny, secretary, Rochester, N. Y.

OAK GROVE STOCK FARM.

Charles J. Stuckey, Mechanicsburg, Ohio, combines several branches of stock raising on his large and well appointed place, which is known as the Oak Grove Stock Farm. The poultry department contains a number of the Buff varieties, notably Rocks and Leghorns, but there are also Barred and White Rocks. His winnings at leading shows and under judges of high reputation show scores up in the 90's. The "Beauty Breeds" are of the choicest strains. Mr. Stuckey also raises Southdown sheep, from imported registered animals, and Duroc Jersey swine from equally established individuals. A circular is issued, setting forth quality and prices. References are named and visitors are always welcomed at the farm. When writing Mr. Stuckey, please mention A. P. J.

H. Tibbetts, Neponset, Ill., sends out a very neatly arranged circular, describing prize-winning Barred Plymouth Rocks. They are line-bred and are fine.

A CASE IN POINT.

H. E. Corfman, Leipsic, Ohio, writes us as follows:

"Editors of poultry journals and incubator manufacturers instruct poultrymen to select eggs of a uniform size and shape, avoiding ill-shaped eggs. In 1891 I ordered a sitting of eggs from a prominent breeder in Massachusetts. They came on time, but there was not a smooth, well-formed shell in the thirteen. Of course, I reasonably concluded that the man had sent me his culls; but I put them under a good hen, and in 21 days she came off with 11 lively chicks. I raised seven of them. The next winter I placed them in a show and they scored from 90 to 94, by Keller. I now think success with poultry depends two-thirds on the poultryman and one-third on the stock."

We give this letter to illustrate a few points. (1) Even an editor is liable to be mistaken; only a few of us are really infallible. (2) This correspondent deserves commendation. Instead of writing us, on the receipt of those eggs, denouncing the eastern breeder as a "fraud," he first set to work (or rather set his hen to work) to demonstrate the truth. And, lo! the truth made him rejoice. Now, many of the complaints made against breeders could be averted in this manner. (3) Yes, much of the success in the yards depends on the man; and if all men were as sensible as our Leipsic friend, what a jolly world this old Earth would be!

MAGAZINES.

The Ladies' Home Journal continues to hold the favor of the households in this country. It is a marvel of excellence and a phenomenon in the business world.

Harper's Monthly is the leading publication among the host of illustrated magazines in this era of magazine literature.

Harper's Weekly, Harper's Bazar and Harper's Round Table are the types of the best in their respective departments.

The Review of Reviews contains the most comprehensive summary of the world's events to be found in any publication. It is the student's aid and the busy man's necessity.

Scribner's Magazine is fortunate in finding and filling a position which is unlike that of any other American monthly. It should be on every home table.

THE FRESH EGG QUESTION.

To the Editor:—Mr. Boyer is right in his statement that eggs over three days old are not strictly fresh. All good hens will deposit the egg by 3 p. m. In most cases these can be put on the market that day, or early next morning. They are none too fresh for invalids. Dealers frequently sell eggs from four to ten days old as "strictly fresh." The farmer is often to blame for this. E. H. G.

D. T. Heimlich, Jacksonville, Ill., is known as a judge and a breeder. His Barred and White Rocks, Light Brahmas, Buff Cochins and Golden Sebright Bantams are described in his attractive pamphlet.

1876 **Eggs $1** **Eggs $1** 1899

From prize winning Light Brahmas, Buff Partridge and White Cochins; **Buff**, Barred and White Plymouth Rocks, Silver and White Wyandottes, Houdans, W. C. B. Polish. 23 years' experience. All high scoring birds. Eggs carefully packed in baskets to carry safe any distance, $1 per 13. **L. BAIRD & CO., Eureka, Ill.**

DAVIDSON'S LIGHT BRAHMAS Are Winners

At Mason City, January 24—27—1899. 2d cockerel, tied 1st. Also two of my birds tied for 3d, the heavier winning. No pullets exhibited. Birds for sale with score cards by Shellabarger and Shaner. Eggs for sale, $2 per 13 Prices of stock way down. Mention A. P. J. **U. GRANT DAVIDSON, Manson, Iowa.**

KLINE'S BUFF ROCKS—Winners at such shows as Madison Square Garden, Hagerstown, Mt. Gretna, Johnstown, Washington, Kansas City. 4 gold specials and Silver cup. Eggs $2; 3 sittings $5. Write for catalogue. **FRANK KLINE, Box 308 A, Spring City, Pa.**

Chicago Winners. Tibbet's Barred Rocks proved a surprise party at the great joint show, Chicago, Jan. 9 14, '99, where in competition with the "best in the country" my Rocks won 2n1 on cock, 91¾, 5th cockerel, 93 (Hewes); 4th and 5th pullets, 92½, 92½ (Russell) and 2d breeding pen, 185¼. The giants were there, but I got my share!

EGGS FOR HATCHING, yards headed by **CHICAGO WINNERS.** Before placing your orders for eggs get my 1899 Catalogue, ready March 1st. Free. Mention A. P. J.

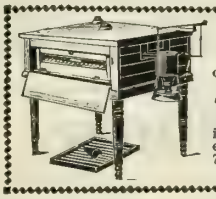
H. TIBBETTS, Neponset, Ill.

Nearly a Sweep on Brahmas

AT MADISON SQUARE GARDEN.

My birds won three firsts, three seconds, one fourth and two silver cups. Eggs from pens headed by 1st cockerel and 2d cock, $4 per 13.

ALBERT L. SESSIONS, Bristol, Conn.



YOU CAN'T FAIL

of complete and entire success in the poultry business, if you only start right. A right start means the use of the right incubators and brooders.

THE NEW SAUMENIG HATCHER

is the acme of simplicity, utility and durability. Made in four sizes, from 50 to 300 egg capacity. Perfectly automatic in every way. Tank and pipe brooders capacity 75 chicks upwards. Don't buy until you get a copy of our **FREE Catalogue.**

THE SAUMENIC HATCHER CO. Box 26 Springfield, Ohio.

EGGS in abundance from 3 pens each breed and prize-winner matings.

BUFF P. ROCKS, 15 for $3; 30 for $5. From prize pen. And from pens Nos. 2 and 3, 15 for $2.

LANGSHANS, 15 for $2 . . . . All exhibition Stock.

Buff males score 92½, 92, 92. Females score 93½ to 91½.
Langshan males score 94, 94½ and females to 95.
Cup winner under Felch. A few cockerels for sale.

S. E. McINTOSH, Hardingsburg, Ind.

HEIMBERGER'S LANGSHANS.

= = 1899 = =

2 Silver Cups 2 In Two Weeks.

Awarded for the highest scoring Breeding pens at New Albany, Ind., and Louisville, Ky., all varieties competing. At New Albany, Ind., I. K. Felch, Judge, I received 1st, 2nd and 3rd on cockerels, with scores of 96, 95. 95. I had eight (8) pullets and hens scoring 95 points each. My first pen scored 191 and second 189⅝. At Louisville with a different lot of birds my best pen scored 189⅜ by Judge Bridge and won Silver Cup for highest scoring pen in the Show, all varieties competing. My records speak for my Langshans and these last victories are unequaled by any breeder in America. Choice cockerels for sale. ***Black Langshans exclusively.***

Eggs $3 per 13. Address

ADAM HEIMBERGER, New Albany, Ind.

Arnold's Buff Leghorns.

253 PRIZES SINCE 1890.

At Crystal Palace, England, New York, Boston, Washington and Hagerston.

No finer matings on earth than ours this season. Eggs from our best matings at $5 per 15, $9 per 30, $12 per 45. Other fine yards, $2 per 15. We guarantee 10 chicks to each sitting.

Buff Plymouth Rocks.

Only two yards, but the finest money would procure. A few sittings at $5 per 15, $9 per 30, $12 per 45. Send stamp for Catalogue.

AUG. D. ARNOLD, = = Box 77C, Dillsburg, Pa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

BUFF EGGS LEGHORNS. COCHINS. **WINNERS AT CHICAGO, '98**—Silver Special for 5 highest scoring B. Leghorns; '99, 1st pullet 95 Cochins—1st, 3d ckl. 93, 92, Columbus, O. —From Buff Leghorns, scoring 93 to 95½, Buff Cochins, 92 to 94½. $3 per 15; $5 per 30. Guarantee 8 to hatch.
RALPH H. MATHEW, Box 126, Sabina, Ohio.

FOR SALE, BUFF P. Rocks, Leghorns and Wyandottes.
Also a fine lot of White P. Rocks, Single-comb White and Brown Leghorns and White Wyandottes at $1 and $2 each. Will please you or birds may be returned at my expense. Address
WALTER COX, 64 Grand ave., Washington, N. J.

Buff Plymouth Rocks—Exclusively.
MY STRAIN is second to none. I yet have a few birds of excellent quality for sale at reasonable prices considering quality. Eggs from my best yards, which contain birds scoring to 94½ points, at $2.50 per sitting, or three sittings $6.
The stud Fox Terrier "Wyandot Spice," A. K. C. S. B. 50359, evenly marked, black and tan head, 20 months old, for sale, price $25.
J. L. YOHE, Carey, Ohio.

ROUP CURE GUARANTEED, **ROUP**
CONKEY'S ROUP CURE—the only remedy positively known to cure Roup in all its forms as long as the fowl can see to drink. Simply put the cure in drinking water and the fowl will take its own medicine. **For Canker**, especially in pigeons, this remedy excels all others. One 50c package makes 25 gallons of medicine. **Directions** with every package. If this fails to cure we refuud the money. Postpaid, small size, 50c; large size, $1. Petaluma Incubator Co., Petaluma, Cal., Pacific Coast Agents.
AGENTS WANTED. G. E. CONKEY & CO., CLEVELAND, OHIO.
Please mention this paper. Do not send stamps.

White Plymouth Rocks,
Exclusively—EmpireStrain.
If you want prize winners you must have eggs from pure stock. I have the stock; pure white, large size, yellow legs, beak and skin, low combs. Eggs, $2 per 15. Satisfaction guaranteed.
I. F. SCHOTT, Box 144, New Pittsburg, Wayne Co., Ohio.
Member Advisory Board A. W. P. R. Club.

At the Chicago Show.
In 1899 I won 41 prizes, including the $75 Illinois State Silver Cup for the largest and best display of Land and Water Fowls.
In 1898 I won 39 prizes; also the $10 Special on the highest scoring exhibit. In 1897 I won 41 prizes, including the Grand Special on the largest and highest scoring exhibit at the show.
For the coming season I have mated 6 pens of Barred Plymouth Rocks, both Cockerel and pullet matings; each pen headed by a high scoring Cockerel. 3 pens White Plymouth Rocks. 2 pens Buff Plymouth Rocks, Silver Laced, Golden, Buff and White Wyandottes, Light and Dark Brahmas, Buff and Patridge Cochins, Black Langshans, Houdans, B. Minorcas, Black and White Polish, Buff and White Cochin Bantams, M. B. Turkeys, Toulouse Geese.
Satisfaction guaranteed. Write for Catalogue.
J. I. DeLANCEY, Elgin, Ill.

Buff Cochin Bantams.
13 Firsts Out of a Possible 15
at Detroit, South Bend and Logansport, competing against 128 birds. Won all specials and many 2d and 2d prizes. My
Eggs are $2.00 per Sitting.
I have no culls and guarantee satisfaction with every order. No stock for sale until fall. Write and mention American Poultry Journal.
FREDERICK F. WILLIS, New Carlisle, Ind.

WHITE WYANDOTTES There is no better money making breed than this, ***both for egg and flesh production.*** My magnificent strain of this splendid breed is worthy the attention of intending buyers of fine poultry.
A FEW GOOD COCKERELS FOR SALE.
We have ***first prize cock*** at the Chicago show, being bred to pullets scoring 93 to 94½ points. ***Eggs for sale from this pen, $3.00 per setting.*** Others good, 92½ points, $2.00 per setting.
DANIEL PURNELL, Oak Park, Ill.

50-Egg Size $5 ***One Million Testimonials*** are not so convincing as the ***30 Days Trial Free***
We offer on every incubator we make. No matter how cheap. No regulator has ever approached in efficiency our Patent Pneumatic Regulator with which over heating is impossible. You may have chicks hatching every day in the week, with our Compartment Incubator. Among hundreds of others Mrs. M. T. Duval, Old Church, Va., never before saw an incubator, yet with our Bantam hatched 50 chicks from 50 eggs. You can do as well. Send 4 cents for No. 2 Catalogue.
BUCKEYE INCUBATOR CO., Springfield, Ohio.

FAVOR THE HOUDAN.

The following testimonials as to the value of the Houdan have been received since the article on this breed appeared in the April issue of The Journal:

Mrs. Ella Haney, Woodale, Md.—From experience I have found the Houdan very hardy; good forager; very small eater; splendid layer of large eggs; tame, quiet, easily handled. Owing to the crest, the Houdan should be kept apart from other fowls.

Mrs. Martha Miller, Spokane, Wash.—I have raised Houdans for three years and wish to say that I consider them second to none as a general utility fowl. As layers of big, fine looking and well flavored eggs I consider them first of all breeds; as a market fowl, unsurpassed.

Wookey Plums & Poultry Co., North Peoria, Ill., contributes high praise to the Houdan. "They are too busy laying eggs to waste their time sitting."

L. H. Burpee, Dublin, N. H., testifies to the hardy and prolific qualities of the Houdan.

L. L. Fisher, Geneva, Neb., is an ardent admirer of the Houdan, on account of their egg and meat qualities.

Dr. M. J. Whitford, New Market, N. J., finds the Houdan well adapted to the needs of those who wish to raise fowls on a village lot. Their eggs sell well for hatching.

Jos. A. Wintz, Morris, Ind., has bred Houdans 16 years and confirms the general verdict regarding their excellence.

A. J. Bargahiser, Rockford, Ohio, is an advocate of the Houdan, on account of its good features.

S. D. Lance, Troy, O., after 35 years' experience with a scorce of varieties, has chosen the Houdan as the best of all, in his opinion.

F. A. Rowsell, Lorin, Cal., sums up the matter:
"Hardy.
"Ornamental.
"Useful.
"Delicious.
"Active.
"Non-sitters."

PAT'S IDEA OF "HOOT DANS."

S. D. Lance, Troy, O., writes that a would-be purchaser came to his yards while he was absent. A witty Irishman was in charge. The man liked the Houdans, but Pat's French was a trifle defective. He called them "Hoot Dans."

"Why are they named Hoot Dans?" asked the visitor.

"Because," said Pat, "they never crow or cackle. They just hoot like an owl."

FANCY AND UTILITY MAY BE COMBINED.

The man who begins as a market poultryman and devotes intelligent thought to the subject of breeding for utility, generally becomes a sincere fancier. The interest awakened by work in the practical field induces the more artistic regard. There is a fascination in the work that causes a desire to beautify the birds.

Roost should be of solid pieces, say two by four inches, the narrow side rounded slightly and placed uppermost.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WATER GLASS AN EGG-PRESERVER.

The preservation of eggs, from the summer months when they are cheap to the winter months when prices are higher, has been made the subject of much experimentation. E. F. Ladd of the North Dakota Agricultural College offers the following suggestions:

Nature has provided a protector in the form of a thin albuminous coating on the shell. If this substance is washed off the egg decays more quickly. Neither lime nor salt is a substitute for this covering. Atmospheric influence is therefore most naturally averted by a composition nearest the deposit laid on by nature. This is found in what is called water glass, which is sodium and potassium silicate, sodium silicate being usually the cheaper. If wooden kegs or barrels are to be used in which to pack the eggs, they should first be thoroughly scalded with boiling water to sweeten and purify them. It is a cheap product, and should not cost more than fifty cents a gallon, or enough to preserve 50 dozens of eggs.

The directions for use are: Use pure water that has been thoroughly boiled and cooled. To each ten quarts of water add one quart of water glass. Pack the eggs in the jar and pour solution over them, covering well. Keep the eggs in a cool, dark place. If the eggs are kept in too warm a place the silicate is deposited and the eggs are not properly protected. Do not wash the eggs before packing, for, by so doing, you injure their keeping quality probably by dissolving the mucilagenous coating on the outside of the shell. For packing use only perfectly fresh eggs, for stale eggs will not be saved and may prove harmful to the others.

All packed eggs contain a little gas and in boiling such eggs they will crack. This may be prevented by making a pin-hole in the blunt end of the egg. To do this, hold the egg in the hand, place the point of a pin against the shell of the egg at the blunt end, and give the pin a quick, sharp blow, just enough to drive the pin through the shell without further injury to the egg.

—o—

In the February issue of American Poultry Journal, page 62, Frank B. White's valuable article on "Poultry Advertising" contained the following statement:

"To do business with a man we must become interested in him. We must show him that we can be of benefit to him. We must show him, too, that it is a mutual proposition. Advertising should be conducted with this end in view."

Printers' Ink, March 22, page 36, reproduced this paragraph, accrediting it to "Poultry Journal." Printers' Ink should know, if it does not, that there are scores of poultry journals published in the United States, but only one American Poultry Journal. To rob this magazine of its distinguishing title is to rob it of credit. Printers' Ink claims to be a model of all things instructive and ethical in the publishing business. It should, therefore, observe the rules laid down by its editor.

—o—

Land plaster is excellent for disinfecting the poultry house. Sprinkle on the droppings-boards.

BUFF ORPINGTON'S welcomed to America.

England's most popular fowl. Wonderful egg producer. Madison Square, N. Y., 1st pen, 3rd and 4th pullets. Boston, 1st cockerel, 1st pullet. Mt. Gretna, Pa., 1st cock, 1st hen, 1st cockerel, 1st pullet. Catalogue tell the others. Eggs from imported stock, $3.00 per 13, $6.00 per 30. White Wyandottes and Buff Rocks $1.50 per 15, $3.00 per 30. Stock for sale. Satisfaction guaranteed. Circular free. **C. E. VASS, Washington, N. J.**

• • • Phœnix Poultry Yard. • • •

Saturday, Feb. 4th, I had my entire stock of Lt. Brahmas, Blk. Langshans, S. L. Wyandottes Buff, Barred and White P. Rocks scored by Chas. McClave and as a result found 96 birds that run from 90 to 94. I have several that score 94½ by such judges as B. N. Pierce, F. J. Marshall and W. M. Clark. Examine my show record at Cincinnati and Portsmouth, O. Write me for prices on stock and eggs. Satisfaction guaranteed. Ten for a hatch or duplicate at half price. Chicks two weeks old 25 cts. each. ***MRS. J. H. OREBAUGH, Box 7, Batavia, Ohio.***

Welch's S-c. B. Leghorn. **Prize Winners . . . . . Wherever Shown.**

Celebrated Brace and Walling Strain,

Have bred them 7 years. None better. *Chicago Winner*, cockerel in 1898 to head my yards mated to pullets scoring not less than 93. As a cock he won 1st prize at Cent, Mich. show 1898, score 93½. Breeding stock for sale at reasonable prices. *Eggs $2 per sitting from pen No. 1; 2 for $3.50; 3 for $4.50* From other pens, *$1.50 per sitting; 3 for $3.50. Satisfaction guaranteed.* **J. C. WELCH, Lansing, Mich.**

BUFF COCHIN EGGS

AND SILVER SPANGLED HAMBURG

I have mated my Buff Cochin pullets with a cockerel selected by J. B. Clark, the noted Chicago Buff Cochin breeder. This mating was certified by Judge A. B. Shaner of Lanark, Ill., as one that could not be bettered. Eggs of guaranteed fertility for sale at $3 per sitting. Hamburg eggs $1.25 per sitting.

F. B. F. RHODES, Nat. S. & R. Co., So. Chicago, Ill.

BUFF COCHIN EGGS

FROM THE BEST EVER MATED TO SELL EGGS FROM.

PRIZE WINNERS OF ENGLAND AND AMERICA.

Mated for the best Results.

Send for Special Circular.

COCHIN AND BRAHMA BANTAM EGGS.

STOCK ALWAYS FOR SALE.

T. F. McGREW, 1267 Broadway, New York City.

Eggs Sure to Hatch

—the kind that will produce **strong, vigorous chicks,** depend upon the vitality of the hen that lays them. She must not be fed on **heating, debilitating food.** Really the best thing for the breeding hen is our

PIONEER CLOVER MEAL.

It makes young chicks grow rapidly. Wonderful for broilers. Makes sweet, tender, high-flavored flesh. It is made from clean clover hay, cured by our own special process so as to preserve all the bright green color and the delicious aroma and essential oils. It is ground into the finest meal by our powerful and specially designed machinery. **No additions, no adulterations,** but **clean, pure, sweet and wholesome poultry food.** Then, too, it is quite cheap—only costs: 50 lbs. $1; 100 lbs. $2; 5 lbs. 25c. Use it this winter and get eggs when eggs are worth money. Sample and editorial indorsements **FREE.**

The Bennett & Millett Co., Box A, Gouverneur, N. Y.

"THIS IS IT."

The Utility Farm of the Age.

Plainfield Poultry Farm Co., Plainfield, N. J.

THE HOME OF

Corby's S-c. Wh. Leghorns.

The great winter laying strain.

Hundreds of youngsters bred this year from our Madison Square winners. You order—we guarantee satisfaction.

Also breeders of White Wyandottes, White and Barred Plymouth Rocks, Pekin Ducks. Circular free.

S. B. CORBY, Mgr.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

POULTRY USED IN CHICAGO.

It has been correctly said that, even in this age of combinations, a "poultry trust" cannot be formed. A writer in the Chicago Chronicle has gone about compiling statistics. He finds that Chicago consumed at least 600,000,000 eggs during 1898. About 6,000,0000 head of "chickens" is stated as the annual demand, not including turkeys, ducks and geese. These are estimated at half the above number. The aggregate amount paid by Chicagoans for poultry and eggs is stated at $7,500,000. We do not believe this is high enough, because the writer assumes that the total consumption by the United States is $165,000,000. The census reports show that the total poultry product for 1897 was $290,000,000. A comparative showing gives one a better idea of this immense source of wealth:

Potato crop was	$ 78,984,001
Tobacco crop was	35,574,220
Cotton crop was	259,164,640
Oats crop was	163,655,068
Wheat crop was	237,938,998
Wool crop was	38,146,559
Sheep crop was	68,167,725
Milch cows was	263,955,545
All minerals was	218,168,988
Hogs was	186,529,745
Poultry was	290,000,000

The Chronicle reporter is evidently fond of mathematics, as well as "chicken," for he indulges his fancy in estimating comparative bulk. He says:

"The 6,000,000 chickens at an average of five pounds weigh" (that is too high, but the original number is too low) "would equal 30,000,000 pounds of flesh. Reduce this immense pile to tons net and we have 15,000 tons, or considerably more than the displacement of the biggest warship in the federal navy. Even the monster cruiser provided for in the new naval bill will not come up to this figure. The mass of chicken meat is nearly twice as heavy as the Maine was when she blew up in Havana harbor. Chicken is much less condensed in form than iron and steel. The huge cruiser in question is to be some 450 feet in length by 75 in width. Now, it would not be too much to say that the chicken meat eaten in Chicago would frame up in cruiser shape eight or ten or even a dozen more vessels of this dimension.

"Take the turkeys. We estimated that 3,000,000, averaging nine pounds each, are disposed of in this city. These turkeys combined would weigh 27,000,000 pounds, or 13,500 tons, or nearly 1,300 tons more than the battleship Alabama will weigh when completed—or rather will displace. Fashion the turkeys in the same manner as we have fashioned the chickens and the result would be a fleet of battleships equal to any in any navy on earth.

"With the ducks, geese and eggs arranged in similar guise, the small cruisers and gunboats, to say nothing of torpedo-boats, would be quadrupled. Indeed, using the eggs as a basis for torpedo-boat construction, one would have a far more destructive vessel than the one armed with guncotton merely. Everybody knows the deadliness and retreat-producing capacity of the ancient egg, so that with such an adaptation the national navy could smell all the navies of the world off the seas on to dry land."

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

In Zero Weather

when everything is frozen up tight is the time to test a brooder. It is then that the poultryman wishes to be sure that he has made no mistake in buying a machine.

THE $5.00 CHAMPION BROODER IS KNOWN BY ITS WORK.

It fills every requirement. It has stood the zero test repeatedly in the worst blizzards of years. It brings its chicks through every time under all conditions. Endorsed by the very best authorities. Send for descriptive catalog and testimonials.

J. A. Bennett & Sons, Box A. Gouverneur, N. Y.

HIGH-GRADE INCUBATORS

WE CAN SUIT YOU IN PRICE AND WE GUARANTEE TO PLEASE YOU IN QUALITY.

What more could we do? Our catalogue tells all, and is devoted largely to practical matters pertaining to poultry raising. Has 148 pages; mailed to any address for 6c. No wild and woolly statements, toy outfits, nor prize package lots to offer. Fair treatment, prompt service and full value are what we try to give our customers.

DES MOINES INCUBATOR CO. Box 1, Des Moines, Iowa.

Winners.

Our birds won the best prizes wherever shown during the past winter and the superior matings in our breeding yards this season have produced stock that can and will win at the coming winter shows and fall fairs. Do you want such stock? LARGEST POULTRY PLANT in Ohio. This country's best Turkeys, Geese, Ducks, Chickens, Guineas, Peafowl, etc., etc., etc. Address

CHAS. McCLAVE, 416 Ashland st., New London, Ohio.

DON'T PAY A CENT

for an incubator of any kind until you have given it a thorough trial.

Some incubators were never intended to hatch chickens but are only made to sell.

We send you this **VON CULIN INCUBATOR ON TRIAL.**

After you have tested it to your satisfaction you pay for it. So easy to handle any child can run it. **Took First Prize at World's Fair and Medal at Nashville and Omaha Expositions.** We send the largest and most instructive catalogue published for 5 cents.

SEND FOR CATALOGUE

Plans for Brooders and Poultry Houses, 25c. **VON CULIN INCUBATOR CO. No. 2 Adams Street Delaware City, Del.**

A Popular Combination.

We will send you AMERICAN POULTRY JOURNAL, one year, and Geer's Poultry Book,

"The Chicken Business, How to Make it Pay,"

post-paid for 60 cents. Try it.

AMERICAN POULTRY JOURNAL, 325 Dearborn st., Chicago, Ill.

Rose-comb Br. Leghorns.

PRIZE WINNERS AT CHICAGO 1898-99.

My matings this year beat everything ever attempted before and will surely produce high scoring prize winners. Now is your chance to hatch exhibition birds at a low price. All my male birds have that rich, brilliant red color and the distinct black stripe in hackle, back and saddle which the Standard calls for. Egg orders booked now at $1.50 per sitting. Can also spare a few sittings of Rose-comb Buff Leghorn eggs. Satisfaction guaranteed.

GEO. STAHMER, Lathrop ave., Oak Park, Ill.

CRESCENT FARM, KENT, OHIO Box A. U. S. A.

BARRED and BUFF Plymouth Rocks,

Buff Cochins, White Leghorns.

Eggs From Winners, $3 per 13.

Send for catalogue to-day.

REV. HENRY M. LADD, Prop.

Address ***E. T. BLOOD, Mgr.***

EMPIRE STRAIN WHITE PLY. ROCKS.

No Culls. Eggs and stock all the year.

B. P. Rocks, Buff Wyandottes, Buff Cochins.

Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

E. M. DURHAM, LaPlata, Mo.

VAN BUREN POULTRY YARDS.

White Plymouth Rocks A SPECIALTY

We also breed and have some good stock of

Barred Ply. Rocks and Pekin Ducks.

Stock for sale. Eggs for hatching in season. Some extra good W. P. Rock cockerels and a few cocks.

J. J. CLEMENT, South Haven, Mich.

EGGS FROM MY PRIZE WINNERS.

Blue Andalusians, Barred and Buff Ply. Rocks, S-c. Buff and Brown Leghorns.

All my prize winners at So. Bend and Chicago are in my yards, which are made up of birds scoring from 89 to 95. **EGGS $1 TO $2.** Stock $1 up. Send for circular—free.

B. F. PARSONS, Edwardsburg, Mich.

EGGS FROM DEWEY

will produce you winners, because they are bred from winners. At Detroit, '99, I won 1st and 3d hen, 1st pullet and 3d pen in a class of 165 Barred Rocks. Three years in succession I have won on pullet, and two years in succession on hen, at the Detroit show.

PRICES OF EGGS: Satisfaction guaranteed.

BARRED P. ROCKS—$3 PER 15; $5 PER 30.
BUFF P. ROCKS, BLACK MINORCAS $2 per 15; $3.50 per 30.

M. BLISS DEWEY, Concord, Mich.

Walnut Grove Poultry Yards

Barred Plymouth Rocks, Exclusively,

Seven breeding yards for 1899 composed of prize winning males and females. Male's score 91 to 93. Females 90 to 94½ by Shellaburger, Snyder and Pierce. 50 cockerels and 75 pullets. Good breeders for sale. Cards by authorized judges. New illustrated circular ready February 1st. Get one before placing your egg orders; free if you mention A. P. J. Satisfaction guaranteed.

O. L. KING, Walnut Grove, Ill.

GEER'S EGG PLANT.

1884 - EGGS! EGGS! - 1899

Choice S-c. Brown Leghorn and Barred Plymouth Rock eggs, $1.50 per 13. Fair reduction on large orders. Healthy fowls, hardy chicks, and satisfaction to customers is my endeavor. Egg Circular FREE.

H. B. GEER, Nashville, Tenn.

"IDEAL" BONE CUTTERS

WITH ROLLER BEARINGS. FREE CATALOGUE.

INCUBATOR BUTTON DRINKING FOUNTAIN GRAIN ROLLER

CHAPMAN MFG. CO. WEST UPTON, MASS. BOX 813

No. 7.

Lowest-cost First-class hatcher made fertile eggs at

Hatch CHICKENS

WITH THE EXCELSIOR INCUBATOR

Simple, Perfect, Self-regulating. Thousands in successful operation. Guaranteed to hatch a larger percentage of less cost than any other Hatcher.

WITH THE Wooden Hen

Most efficient small incubator ever invented. Perfect in every detail. Just the thing for poultry raising on a small scale, 50 egg capacity.

Catalogs Free.

CEO. H. STAHL, Patentee and Sole Manufacturer, 114 to 122 S. Sixth St., QUINCY, ILL.

$5 Prize Brooders--Clover Meal

The Prize Brooder is superior to any brooder that stands upon legs. First of which is that it is built down to the ground, thereby enabling one to keep up the desired heat with much less oil. Second, the heater being placed at the back of the brooder the lamp is accessable from the rear without being obliged to reach under as in the case of some of the $5 brooders. If you will compare our brooder with others you will find it much better than many costing double the money. You cannot buy a brooder for $5 that will equal it in any point. Try one and be convinced

We are also manufacturing a superior quality of Clover Meal for poultry. It will insure the egg yield; it will insure more and stronger fertilized eggs, and it will keep the hens in good health and vigor. Put up in 50 and 100 pound sacks. Price $2 per 100. Send for free circular and sample of Clover Meal.

CLOVER

MFG. BY THE JORDAN MILLING CO. JORDAN, N.Y.

JORDAN MILLING CO., Jordan, N. Y.

THE COMBINATION INCUBATOR

is the latest and best thing out, made by the oldest and most reliable incubator factory in the U. S. We call this the incubator of our life, because we have had to accomplish two hard things in making it, best quality, lowest price; either one singly is easy; both combined—well, we do not need to say it was hard to do. But we have done it. If you are interested write for particulars. Book on roup, how to cure and prevent, 50 cts. Testing and hatching chart, $1; both at once, $1.25. 100-page catalogue of incubators and brooders, 5 cts. or stamps

J. L. Campbell,
West Elizabeth, Pa.

BRABAZON'S POULTRY CATALOGUE FREE!

It's a beauty; over 50 colored plates. Illustrates and describes fine Turkeys, Geese, Ducks and chickens; gives prices of fowls & eggs & Finest Buyer's Guide published. Inclose 10c. for postage, etc.

J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

A. Z. COPELAND, Potomac, Ill.,

Breeder of White Holland Turkeys, White Ply. Rocks, Golden S. Bantams and Poland-China Pigs of best blood. Nothing but good stock shipped.

HENS LAY BEST

when provided with Egg-making food. Our Prepared Meat, Granulated Bone and Oyster Shell are actual Egg producers. Our Oyster Shell Meal and Bone Meal especially adapted to incubator chicks. Eight sample bottles in case by mail for $1. Splendid opportunity for bright women to make money. Write for particulars.

FITCH FERTILIZER WORKS, Bay City, Mich.

D. F. TAYLOR,

"The White Rock Man."

Thirteen years a breeder of "The Empire Strain" of White Plymouth Rocks and White Wyandottes, the two best utility fowls. Winning more firsts and specials on these two varities than any breeder. Quality regulates prices. Show birds a specialty. No circulars. Eggs, $2 per 13; $5 to $8 per 100, according to season.

D. F. TAYLOR, DeRuyter, N. Y.

Our Southern Home.

A 60-page monthly journal, at 50 cents per year, devoted to Immigration, Southern Poultry Breeding, Bee-Keeping, &c. Also a chapter on gold, mica and other mining each month in North Carolina. Lands and small farms to exchange for poultry, live stock or cash. Send two one cent stamps for sample copy. Address

M. H. PRIDE, Publisher, Mount Holly, N. C.

MONEY IN HONEY!

The Weekly American Bee Journal

Tells all about it.

Sample Copy Mailed Free

G. W. YORK & CO.

118 Michigan St., CHICAGO, ILL.

Fancy Pigeons For Sale.

Pouters, Archangels, black, white and blue Fantails, black, white, blue, yellow Muffed Tumblers, Black and Red Magpies, Red Jacobins, Black Trumpeters, Black Swallows, yellow and light blue Helmet Tumblers. I just received 24 prizes on 25 pairs of my pigeons at the largest poultry and pet stock exhibition held in the West at Cedar Rapids, Iowa, 500 pigeons in competition. I also won the Niles special prize and sweepstakes for finest collection of fancy pigeons. Prices way down. Address

P. NEWCOMB, box 355, Cedar Rapids, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

HAMM'S
Buff Ply. Rocks.

Look at the Record.

At the great Chicago show, Jan. 25-29, '98: All the first prizes awarded but one; 2 seconds, 2 thirds, 1 fourth and 1 fifth; the Association's $15 silver cup for best 10 birds; the Buff Plymouth Rock Club's $25 silver cup for the best cock, cockerel, hen, pullet and pen; specials for best pair, best five males, best cock, hen, pullet and best exhibit.

EGGS **$3, $4 and $5 per Sitting.**

Write for circular and further information regarding

America's Best Strain of Buff Rocks.

G. W. HAMM, Battle Creek, Mich.

1st Prize Pullet at New York.

The "Ringlets" Soar Still Higher.

At NEW YORK, FEBRUARY, 1898,

E. B. Thompson's Barred Plymouth Rocks Again Won

all the **Sweepstakes Cups and Trophies,** including the **Superb Challenge Trophy, value $100,** for best cock, cockerel, hen, pullet and exhibition pen; **$100 Sterling Silver Cup** for best exhibit; **Grand Special Sweepstakes Cup, value $100,** presented by the **President,** for best P. Rock cock, cockerel, hen and pullet, **any variety.** My

Clean Sweep of 1st, 2d, 3d, 4th and 5th Prizes on Pullets

has never been approached in Madison Square Garden, and stands **alone** and **unequalled.** The record of both **1st and 2d prizes** on breeding pen was also **phenomenal.**

At **Madison Square Garden, 1895, 1896 and 1897,** my Barred P. Rocks won nearly **three times** as many 1st prizes as any other exhibitor and **more 1st prizes** than all competitors combined.

400 Grand Breeding Cockerels For Sale. **Also Elegant Pullets in any number.** ***Eggs from finest exhibition matings,*** ***one sittin $5, two sittings $9, three sittings $12.*** Richly illustrated catalogue on application. Address

E. B. THOMPSON, Lock Box 510, Amenia, Dutchess Co., N. Y.

Mammoth Bronze Turkey Farm,

Home of the Famous

National Strain of Mammoth Bronze Turkeys,

which have won more first prizes in the past four years than all competitors combined. That too in the hottest of contests. They won **SWEEPSTAKES** at the great **SILVER CUP SHOW** at Kokomo in a class of **TWENTY-TWO BIRDS.**

A clean sweep at Indianapolis great show—1st on young tom; 1st, 2d and 3d on hen; 1st, 2d and 3d on pullet; 1st on pen and special prize for best display.

Greenville, N. Y.

S. B. Johnston & Co., Boggstown, Ind. Gentlemen:—I have heard from my farm; Mr. Budd said regarding the shipment of M. B. Turkeys, the trio reached Greenville on Saturday the 12th of March, and Mr. Budd writes me that they are simply Mammoths, and are beauties and no mistake; they are a surprise and revelation to him in the turkey line. He writes that he has never seen such birds before. He says you have done the square thing by us and I wish now to thank you for your selections and careful shipment, and to assure you that you will hear from us when we need anything in your line. Mr. Budd writes that about 200 people flocked to see and admire the birds at Coxsackie before they were taken to Greenville, N. Y. Again thanking you and wishing you the best of success, I am, Yours sincerely, G. C. HEGEMAN.

EGGS $5 per 13. No reduction for quantity. These are all from fine exhibition matings. Write at once before they are all gone. B. P. Rock eggs $1.50 per 15; $2.50 per 30; $8 per 100.

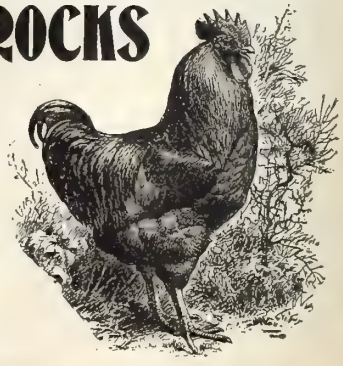
INCUBATOR EGGS FROM THOROUGHBRED B. P. ROCKS (not penned) **$5 per 100; $9 per 200.**

THE FAMOUS STAR INCUBATORS—We handle this excellent machine, together with a full line of **POULTRY SUPPLIES.**

Send at once for Free Illustrated Catalogue of Turkeys, Chickens, Ducks and Poultry Supplies.

SAM B. JOHNSTON & CO., Box 345, Boggstown, Ind.

ARE YOU LOOKING FOR **BUFF PLYMOUTH ROCKS**



with that desirable GOLDEN BUFF COLOR THROUGHOUT, including UNDERCOLOR,

That are good size, and at same time have good combs, and **ENTIRE ABSENCE** of the worst features in the average Buff of to-day—white in plumage and feathered legs? If so, I can furnish you. I have mated several very choice yards for this season, mated for utility as well as show purposes, **EXCELLING ALL PREVIOUS MATINGS.**

Eggs $2 per 13; $5 per 40.

My Buffs have farm range, and **EGGS ARE GUARANTEED TO HATCH.** A few medium grade birds yet for sale, low.

Write for beautiful circular in colors; its free. Money Order and Express Office, Rome, N. Y.

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You Will Find It on Page 267. Don't Miss It.

Vol. 30. *June, 1899.* *No. 6.*

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AMERICAN POULTRY JOURNAL

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PRICE, 50 CTS A YEAR. SINGLE COPY, 5 CTS.

Scene on the Poultry and Stock Farm of Chas. McClave, New London, O., showing Herd of Deer.

Mammoth Bronze Turkeys.
Three grand matings. Fine markings, big bone and heavy weight. Eggs 20c each

Lt. Brahmas and Partridge Cochins
Scoring 92 to 95.
Eggs $1.50 for 13; $3 for 30. Write for full particulars.

W. T. & S. J. SAYLER,
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Black Langshans, Light Brahmas.

For the balance of the season we will sell eggs from our best matings for $1 and $2 per sitting.

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Eggs $3 per 15, prepaid and guaranteed 60 per cent fertile. Reduction on larger orders. Stock shipped on approval.

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Brown-egg White Wyandottes have a record of over 200 eggs in a year. Yard No. 1—10 choice pullets, Hunter strain, mated to a "Stay White" Duston cockerel. Yard No. 2—10 choice pullets mated to an 8-lb. Hunter cockerel. Also breed S. c. W. Leghorns, Wyckoff strain. Eggs, 15 $1.50; 45 $3; 100 $5.

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Breeder and shipper of the following:

Light Brahmas, Buff Cochins, Barred Plymouth Rocks, S. L. Wyandottes, White and Golden Wyandottes, Black Minorcas, Silver Spangled Hamburgs, R-c. W., R-c. B. and S-c. B. Leghorns, Buff Turkeys. Eggs in season.

Huff's Light Brahmas

Barred Plymouth Rocks:
S-c. Br. Leghorns and Blk. Minorcas

have a record hard to beat—14 firsts and 8 second prizes on 22 entries Also White Ply. Rocks, S-c. White Leghorns and fine Imperial Pekin Ducks. Eggs from mammoth Light Brahmas $1.50 per 13; other varieties $1 per 13; Pekin Ducks $1 per 11. Send for my circular or order direct from my ad. My stock will please you Satisfaction guaranteed.

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EGGS—Barred P. Rocks.
Pekin Ducks.

Eggs from choicest matings for sale. Barred Rock, $2 per 15; $3.50 per 30; $5 per 50. Duck eggs $1 per 12; $3 per 50; $5 per 100. Write for catalogue of stock.

H. P. THOMAS, So. Charleston, Ohio.

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Black Langshans,
Black Langshan Bantams.

First-class Stock.

They win for others, they will for you.

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Hardy Poultry,

Grown in Minnesota that will stand any climate.

Barred P. Rocks, R-c. Brown and White Leghorns, Light Brahmas, M. B. Turkeys, Pekin Ducks. Breeders and exhibition birds. I give the poultry business my entire attention, guaranteeing satisfaction. Write for catalogue and prices.

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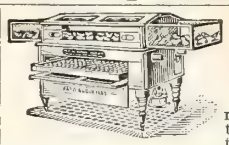
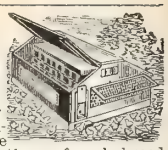


A Little Gold Dollar and Our Big Poultry Book



represent about equal value. This book contains everything that it is necessary to know to succeed in the poultry business. All about **Incubators and Brooders**, the best kind and the best way to handle them; thoroughbred poultry, with illustrations of each breed and a complete line of poultry supplies. We send it to all inquirers on receipt of 10 cents in stamps.

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Buff Plymouth Rocks—Exclusively.

MY STRAIN is second to none. I yet have a few birds of excellent quality for sale at reasonable prices considering quality. Eggs from my best yards, which contain birds scoring to 94½ points, at $2.50 per sitting, or three sittings $6.

The stud Fox Terrier "Wyandot Spice," A. K. C. S. B. 50359, evenly marked, black and tan head, 20 months old, for sale, price $25.

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WHITE PLYMOUTH ROCKS THAT WIN.
Not How Many, But HOW GOOD.

Big winners at **CHICAGO** and **INDIANAPOLIS** for four years. More high scores than any of them and **LOWEST PRICES.** Stock large, white, and prolific layers. See my large ad in April JOURNAL, pages 208 and 217.

R. M. GARD, Box A., Frankfort, Ind.

State Line Poultry Yards.
Eggs for $1.00 per sitting.

From White and Barred Rocks, White and Silver Wyandottes, Rose-Comb Brown Leghorns, Black Langshans, Partridge Cochins, Light Brahmas and Pekin Ducks. **No Circular. Duroc Jersey Swine.** Breeding Pens scoring from 92½ to 94 points. Farm raised.

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Indian Runner Ducks.
Wonderfully Prolific.

Are rapid and easy growers. Handsome in appearance. Eggs and stock for sale. Write us.

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Wyckoff's White Leghorns
America's Business Hen.

Have been carefully bred and improved for the past 18 years regardless of expense and on the strictest application of the true principals of Leghorn breeding, with a result that fully justifies their acknowledgment everywhere as the World's Greatest Laying strain of S-c. W. Leghorns, combined with the highest degree of excellence in Standard qualities, size and vigor and layers of large, white, perfectly shaped eggs that command the highest premium in the finest city markets. Hundreds of unsolicited testimonials recently received from customers in all parts of the country, testify not only to their superior laying qualities but also to the many victories and high scores awarded them in the show rooms. Good breeding stock in early cockerels and 1897 hatched hens yet for sale. Eggs for hatching from my choicest selections and matings only, the cream of our 1,200 carefully bred birds. No close inbreeding ever practiced in my yards.

Eggs $2.00 per 15, $3.75 per 30, $5.00 per 45, $10.00 per 100.

Large illustrated and descriptive circular free. Address

C. H. WYCKOFF,
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EGGS in abundance from 3 pens each breed and prize-winner matings.

BUFF P. ROCKS, 15 for $3; 30 for $5.
From prize pen.
And from pens Nos. 2 and 3, 15 for $2.

LANGSHANS, 15 for $2 . . . . All exhibition Stock.

Buff males score 92½, 92, 92. Females score 93½ to 91½.
Langshan males score 94, 94½ and females to 95.
Cup winner under Felch. A few cockerels for sale.

S. E. McINTOSH, Hardingsburg, Ind.

WH. WYANDOTTES.

Our Prize Winners.

Do you want something fine for breeding or the show room? We have them, and at right prices. Eggs in season at $2 per 15.

FRED KEITH & SON,
Lansing, Mich.

FINE POULTRY--PEKIN DUCKS.

20 VARIETIES—FIRST-CLASS THOROUGHBRED STOCK.

Eggs for hatching $1 per sitting. Satisfaction guaranteed,

WILLARD MERRIAM, Kansas City, Kan.

TALBERTS LIGHT BRAHMAS

Won four of the five first premiums at the Trans-Mississippi and International Exposition; also 1 second and 2 sweepstakes on five entries. If you want good stock write us.

MR. & MRS. O. D. TALBERT, 1817 Lake st., Omaha, Neb.

THEY ARE BRED FOR EGGS AND MEAT.

LIGHT BRAHMAS, WHITE WYANDOTTES, S-C WHITE LEGHORNS.

We use none but strictly hardy, vigorous birds in our breeding pens—keeping as close to Standard requirements as is consistent for good health and profit.

Eggs for Hatching Only $1.25 per sitting of 15.

Utility being our aim. Orders booked now. Michael K. Boyer, Hammonton, Atlantic Co., N. J.

EGGS EGGS — Stuckey's Buff Rocks

Are ***birds of highest quality,*** also ***prize winners*** and high scoring and mated to produce best results.

Fancy Buff Leghorns.

Popular strains. ***No better East or West*** than some of my ***prize-winners.*** ***White Rox*** of rare quality. Eggs half price after June 1st. Send for circular before ordering.

C. J. STUCKEY, Mechanicsburg, Ohio.

Lincoln Park Poultry Yards,

GORDON L. REILLY, Proprietor.

WHITE PLYMOUTH ROCKS.

I have choice breeding stock, young and old, for sale with score cards. Egg Orders booked now. Write for prices and description. Address

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Exhibition Barred and White Ply. Rocks, and Mammoth Bronze Turkeys.

At Paxton, Ill., show, Nov. 29 to Dec. 2, '98 I won 6 regular and 5 special premiums; 1 special of a $25 Poland-China pig for best pen of Barred Rocks on Exhibition; 1 special for 10 highest scoring B. P. Rocks in show, 110 B. P. Rocks on exhibition. B. N. Pierce, judge.

EGGS, $2.50 PER 13; $5 PER 30.

No more stock for sale until Nov. 1, '99. Satisfaction guaranteed. Farm raised; free range. Reference, Champaign National Bank, by permission. Ment on American Poultry Journal.

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WIN IN HOTTEST COMPETITION.

AT WICHITA, Dec., 1898.
1st and 3d Cockerel.
1st and 3d Pullet.
1st Cock and 1st Pen.
Many Specials.

Topeka State Show Jan. '99.
1st Pullet, score 95¼.
2d Pullet, score 95¼.
3d Pullet, score 95.
2d Cock and 2d Pen, 187⅞.

(No Hens Exhibited at Either Show.)

They are the . . . . .

Finest You Ever Saw.

Eggs from Prize Winners, $2.50 for 15.

DR. W. E. BARTLETT
Belle Plaine, Kas.

I prepay express on all egg orders after May 1st, '99.

WHITE WYANDOTTES

There is no better money making breed than this, ***both for egg and flesh production.*** My magnificent strain of this splendid breed is worthy the attention of intending buyers of fine poultry.

A FEW GOOD COCKERELS FOR SALE.

We have ***first prize cock*** at the Chicago show, being bred to pullets scoring 93 to 94½ points. ***Eggs for sale from this pen, $3.00 per setting.*** Others good, 92½ points, $2.00 per setting.

DANIEL PURNELL, Oak Park, Ill.

50-Egg Size $5

One Million Testimonials are not so convincing as the 30 Days Trial Free

We offer on every incubator we make. No matter how cheap. No regulator has ever approached in efficiency our Patent Pneumatic Regulator with which over heating is impossible. You may have chicks hatching every day in the week, with our Compartment Incubator. Among hundreds of others Mrs. M. T. Duval, Old Church, Va., never before saw an incubator, yet with our Bantam hatched 50 chicks from 50 eggs. You can do as well. Send 4 cents for No. 2 Catalogue.

BUCKEYE INCUBATOR CO., Springfield, Ohio.

1890 ——— 1899

Black Minorcas

13—**$1.50 EGGS $1.50**—13

Replaced at Half Price if less than 7 hatch.

Absolute Satisfaction Guaranteed.

H. H. WALLIS, - Delavan, Wis.

1890 ——— 1899

Silver Laced Wyandottes.

A few good cockerels and pullets from prize winners yet for sale. I am mating for my first yard this season a 93 point cock, scored by Pierce, with females ranging in scores from 92 to 94½. Second yard a 91½ point ckl. with females each with a score of 90 or better. Eggs from first yard $2 per 13; second, $1.25 per sitting. Write. W. L. Mills, Clear Creek, Ill.

BUFF Cochin Bantams.

That are winners. Bred in line from winners.

No Eggs. ***CLARENCE HENDERSON,***
Springfield, Ohio.

H. H. Fike, Morgan Park, Ill.,

—BREEDER—

White Wyandottes, Black Langshans.

Strong, vigorous birds from leading strains mated for utility and eggs.

EGGS FOR HATCHING,

15, $1.50; 30, $2.25. Larger orders a matter of correspondence. No trouble to answer letters.

Barred Plymouth Rocks.

Four Great Matings, headed by Prize Winning Cockerels.

EGGS FROM THESE YARDS, $2 for 15.

Correspondence solicited.

T. W. McCLURE, Carey, Ohio.

The IONIA STRAIN

....OF....

R. C. Brown Leghorns and Polish

have a standing record east and west. Send for picture book and description. ***Eggs, $2.***

S. G. ALLURED,
IONIA, MICH.

Silver Laced Wyandotte EGGS.

My yards contain the winners from Dubuque and Galena, Poultry Shows, Dec. '98. At Dubuque 1st cock, 1st hen, 1st and 3d cockerel, 2d and 3d pullet. At Galena 1st cock, 1st hen, 1st, 2d and 3d cockerel, 2d and 3d pullet, and 1st and 2d pen scores, 90 to 93¼. Eggs $2. per 13 straight.

F. J. HOELTING, Galena, Ill.

White Wyandottes and S-c. Buff Leghorns.

Winners at

Chicago, Coldwater, Sturgis.

Eggs $2 per 15 in season. Stock for sale at all times. Satisfaction guaranteed. Circular free. Correspondence solicited.

CHAS. F. HOWE, Coldwater, Mich.

A grand lot of Buff Rock Cockerels, Fine style, size And color. Bargains.

Buff Plymouth Rocks, Cornish Indians, Buff Leghorns and B. B. R. G. Bantams.

S. A. NOFTZGER, North Manchester, Ind.

GREAT HATCHES!

THE MONITOR INCUBATOR

is thoroughly successful, self regulating, easily operated by unskilled person. **We pay freight.** 100-egg Old Hen Incubator and Brooder connected $10. Catalogue Free.

The Monitor Co., Box 35, Moodus, Conn.

Winners at New York, 1897, from life.

HAWKINS'

ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER AND WHITE.

EGGS FROM PRIZE MATINGS.
1 Sitting, $5. 3 Sittings, $10.
2 Sittings, $8. 5 Sittings, $15.
Per 100, $20.00.

Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1899 are the best I ever owned.

At the Great National Show, WASHINGTON, D.C., in **hot competition** with over **300 birds** of these varieties, the best that could be found regardless of price, I won **45 Regular and Special Prizes on 39 Entries,** including **First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show** (Bantams excluded), and this on my **First Prize Barred P. Rock Cockerel.** My winning White Wyandotte cock was pronounced by the judges to be the **best they had ever seen.** I won twice as many first prizes as **all other exhibitors** of these varieties. My **BUFF ROCKS,** at **BOSTON,** 1899, in hot competition, won **more first and special prizes than all others.** My customers are winning all over the country. If you want the **BEST,** write me. Hundreds of **Choice Exhibition** and **Breeding Birds** at **honest prices.** Catalogue of America's finest **Plymouth Rocks** and **Wyandottes free.**

A. C. HAWKINS, Lock Box 25, Lancaster, Mass.

WHITE PLYMOUTH ROCKS.

Eggs for sale from two pens. Pen No. 1—headed by cockerel direct from Hawkins, mated with hens and pullets of same strain scoring as high as 93½; score cards by Shellabarger; one sitting $2; two sittings $3.50. Pen No. 2—headed by Empire cock, mated with hens and pullets of same strain, all fine birds; one sitting $1.50; two sittings $2.50 Address Poul P. Harshman, Sunny Side Poultry Yards, Sullivan, Ill.

DON'T SET A HEN

—ON—

Buff Rock Eggs

until you have read my circular—free for the asking.

I. W. HOUSTON, Marshall, Mich.

S. D. MANDEVILLE, Sidney, Ill.,

BREEDER OF

Wh. Holland Turkeys & Black Cayuga Ducks.

My strain of White Holland Turkeys and Cayuga Ducks is second to none in the poultry fraternity. Have never failed to take the blue ribbon wherever exhibited. 18 years a breeder of Cayuga Ducks and 9 years of H. Turkeys. Eggs and stock for sale. Stock priced on application Price of eggs for hatching, Turkey eggs $2 per sitting of 9; Duck eggs $1.25 per sitting of 11. Write me mentioning American Poultry Journal

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BUFF WYANDOTTES,

EXCLUSIVELY.

The popular strains of Buff Wyandottes formerly bred by B. H. Smith will be continued at the same yards. Our cocks and cockerels took first prizes at Detroit and Chicago shows this year. Eggs in season.

B. H. & M. H. SMITH, Coldwater, Mich.

PARAGON LANGSHANS.

A Few Choice Birds For Sale.

Eggs $5 for 15. Satisfaction Guaranteed.

HUNT BROS.,
Greenwood, Ill.

The Daisy and Crown BONE CUTTERS.

Best in the World.

The $5.00

Hand Bone, Shell and Corn Mill.
THE GEM CLOVER CUTTER.
Send for circulars and testimonials.
WILSON BROS., Easton, Pa.

BUFF EGGS

LEGHORNS. **COCHINS.**

WINNERS AT CHICAGO, '98—Silver Special for 5 highest scoring B. Leghorns; '99, 1st pullet 95 Cochins—1st, 3d ckl. 93, 92, Columbus, O. —From Buff Leghorns, scoring 93 to 95½, Buff Cochins, 92 to 94½. Eggs reduced to $1.50 per 15 balance of season. Guarantee 8 to hatch.

RALPH H. MATHEW, Box 126, Sabina, Ohio.

FOR SALE, BUFF P. Rocks, Leghorns and Wyandottes.

Also a fine lot of White P. Rocks, Single-comb White and Brown Leghorns and White Wyandottes at $1 and $2 each. Will please you or birds may be returned at my expense. Address

WALTER COX, 64 Grand ave., Washington, N. J.

• • • Phœnix Poultry Yard. • • •

Saturday, Feb. 4th, I had my entire stock of Lt. Brahmas, Blk. Langshans, S. L. Wyandottes Buff, Barred and White P. Rocks scored by Chas. McClave and as a result found 96 birds that run from 90 to 94. I have several that score 94½ by such judges as B. N. Pierce, F. J. Marshall and W. M. Clark. Examine my show record at Cincinnati and Portsmouth, O. Write me for prices on stock and eggs. Satisfaction guaranteed. Ten for a hatch or duplicate at half price. Chicks two weeks old 25 cts. each.

MRS. J. H. OREBAUGH, Box 7, Batavia, Ohio.

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121 Prize at three Chicago Shows, besides State Silver cup and grand specials

For the coming season I have mated 6 pens of Barred Plymouth Rocks, both Cockerel and pullet matings; each pen headed by a high scoring Cockerel. 3 pens White Plymouth Rocks. 2 pens Buff Plymouth Rocks, Silver Laced, Golden, Buff and White Wyandottes, Light and Dark Brahmas, Buff and Partridge Cochins, Black Langshans, Houdans, B. Minorcas, Black and White Polish, Buff and White Cochin Bantams, M. B. Turkeys, Toulouse Geese.

Satisfaction guaranteed. Write for Catalogue.

J. I. DeLANCEY, Elgin, Ill.

EGGS FROM WINNERS.

My Pens Contain ALL My Light Brahma Winners.

Not a female in these pens score less than 93½ by Pierce. Males include those upon which I won Grand Sweepstakes at Rockford.

Eggs from these pens $3 per 13; $5 per 26.

H. S. GODFREY, Rockford, Ill.

Catalogue containing 6 photos and other electrotypes free. A few superb cockerels left, most of them score 92 and better; splendid hackle and black wing and tail; $2 to $4. If you want one, write now.

S-C. BROWN LEGHORNS.

CHICAGO SHOW, 1899, ***CEDAR RAPIDS SHOW, 1899,***

2d Pullet, Score 94. ***2d Pullet, Score 95.***

Pen Headed by 2d COCKEREL, Chicago, 1899.

CONTAINS IN ADDITION TO ABOVE: 1st pullet, West Liberty, Iowa, Score 94½. 3d pullet, Chicago, Score 94, Two 5th (tie) pullets, Chicago, 93½, 93½.

Don't you think these ought to hatch WINNNERS? ; ***Eggs $2 per 13.***

A. H. MORGAN, 5410 Chicago Ave., Austin, Ill.

American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.
Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.
VOL. 30. CHICAGO, ILL., JUNE, 1899. NO. 6.

WHITE WYANDOTTE COCK.
Winner of First, Chicago, 1899. Owned by Daniel Purnell, Oak Park, Ill.

This series of papers on the prevention of disease, the care of fowls, the preservation of health in the flock, and the general conservation of energy in breeding poultry, is written expressly for AMERICAN POULTRY JOURNAL by DR. N. W. SANBORN, Wellesley Hills, Mass.

THE CROP.

Prominent among the diseases of the crop is inflammation. This is an irritation of the mucous lining caused by unslaked lime, "rough-on-rats" (phosphorus) and sometimes from the over use of spice. With an inflamed crop the bird is uneasy, moving aimlessly about, occasionally standing still with depressed head, and then seemingly trying to vomit.

The treatment depends upon the cause. In the beginning of an acute case, caused by alkalies, give weak vinegar water; caused by phosphorus, give magnesia. In all sudden cases try to empty the crop of its contents. If the crop is nearly empty, give warm water to give something to work with; then hold the bird head downward and work the contents toward the mouth. When the crop is empty, give flaxseed tea for drink, and keep on light foods for a week.

IMPACTION OF THE CROP.

The crop sometimes becomes overfilled packed tightly, with food or other substances, and is unable for awhile at least to empty itself. This mass may get hard and dry, or ferment, and not only prevent the taking of more food, but act as an irritant to the lining of the crop. Unless this mass softens and passes on, or is removed by man's hand, the bird gets thin, with yellow comb, and at length dies of starvation.

The usual cause of impaction is long pieces of hay or grass. Perhaps the bird is shut in the house all winter with no opportunity to get green or dry cut hay or clover, and to supply the need that exists is obliged to eat the straw or hay used for scratching material. This loose material is long, tough and not easily broken. The result is that many a long piece is swallowed, and the wonder is that more trouble does not follow.

Giving generous feeds of cracked corn at night sometimes impacts the crop. The bird eats all she can, goes to the drinking vessel several times, and then to the roost. The moisture swells the corn, the crop is enlarged to the greatest extent and impaction sometimes follows.

An obstruction to the outlet of the crop will produce trouble. Large slivers of bone or wood lie across the opening, or an end is imbedded in the wall, holding back all other food. It is surprising how large and sharp articles a hen can swallow and have no trouble from them afterwards.

An impacted crop can quite often be emptied by manipulation. Get the bird to swallow a teaspoonful of castor oil and softly knead the hard contents. Then, holding the bird with head down, try to work the substance along to the mouth. Swelled corn or wheat can be quite safely removed in this way; but when the cause is matted grass or hay, you may fail and have to resort to opening the crop through the skin.

A cut one inch long in the skin and three-fourths inch in the crop will give room for careful removal of the crop's contents and yet be short enough to be easily brought together and heal rapidly. Any little implement can be used to pick out the impacted material. A small pair of tweezers, blunt pointed scissors, or even toothpicks, can be used. When apparently empty, run a small finger in and find out whether there is an obstruction at the outlet.

In stitching the cuts, sew that in the crop first and then that in the skin. I have known these cuts to heal without sewing, but it gains time to put in two or three stitches.

Birds operated on should have individual coops and be kept on mash for five days.

GASTRITIS.

Gastritis is an inflammation of the enlargement of the food passage just before it empties into the gizzard.

This inflammation may be caused by just the same articles as produce a similar condition of the crop, or may be due to long continued overfeeding, or too much condiments.

Birds with gastritis have poor appetites, diarrhoea and constipation, in alternation, rapid breathing, great general weakness.

Discover the cause of the trouble if possible, and remove it. For drink give rice-water or clover-hay tea.

Arsenite of copper, one-quarter grain to each quart of the drink, will help from a medicinal standpoint.

INDIGESTION.

Dyspepsia or indigestion is not so often seen in our birds as in ourselves. It comes as the result of wrong methods of feeding birds, or from mistakes in care or housing.

Dyspepsia follows in the wake of the "too often" meals of a cramming system. Yarded birds ought to have time to digest one meal before another is given. Chicks ought not to be fed more often than every two hours, and for grown birds three full meals per day are enough.

Lack of exercise, because the pens or yards are too crowded, or because of the absence of scratching material, plays a part in producing a dyspeptic hen.

Hens kept from all green food, whether it be clover, corn fodder, hay or grass, will in time become dyspeptic.

A dyspeptic bird has a very uncertain appetite; constipation may alternate with looseness, and there is a general look of being "tired."

Dyspeptic cases can generally be cured. Ample room for each bird, pure water, regular giving of a well balanced ration, with generous exercise in obtaining food, will restore these cases to health.

If nearly all the birds are in this dyspeptic condition, add one-quarter teaspoonful tincture nux vomica to each quart drinking water.

ENTERITIS.

This disease bears the same relation to diarrhoea that roup does to catarrh. It is a violent inflammation of the bowels, caused by too active purgatives, poisons, improper feeding, or an uncared-for case of simple diarrhoea or dysentery passing into the acute form. Enteritis does not seem to be especially infectious. It is an inflammation of the lining of the intestines, more intense and extending deeper than simple diarrhoea. If you have a large number of birds sick with this disease, look for a common cause rather than think that it has come from exposure to a previous case.

Enteritis has a number of causes, largely stimulating or irritating foods and irritant poisons. There are three sources of poisons to be kept in mind on many farms—unslaked lime, paris green and paint. Unslaked lime is known to be harmful if swallowed, and it is its use as "air-slaked lime" that produces most of the trouble. Air-slaked lime is used by some poultrymen for drying dropping boards or damp spots in hen houses. In nearly every lot of air-slaked lime there are little lumps, just right in size to attract the hen's attention, and these lumps are unslaked and irritant. Ground plaster is better for dropping boards, etc., than lime, and is worth its cost, also, where the fertilizer is used upon the garden.

When "paris green" came first into use it was handled with care and when not in use was kept in some high cupboard, but familiarity has bred carelessness, else why do we see the green boxes on barn walls and the nearly dry pails in fence corners? Paris green is a decided irritant to throat or intestinal canal and is a factor in disease in chicks and old birds that have access to potato fields, and a common cause of inflammation of the bowels.

The prominent symptoms are great general weakness and diarrhoea. You will notice that the sick bird gets into some quiet corner, with closed eyes, ruffled feathers, and seems to take little interest in anything. Looking at the bowel discharge, it will be seen to be watery, with stringy, mucous, and at times is yellow in color. Where much blood is passed the case is nearly hopeless. Fatal cases commonly present stupor or wildness before the end.

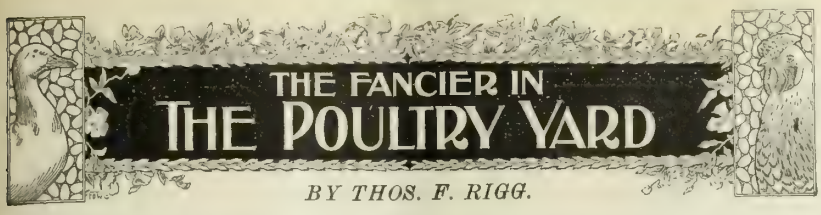
To cure enteritis seek for the cause, and if possible remove it. If an irritant has been swallowed, give one teaspoonful of castor oil and follow the oil with bland foods, such as boiled milk or flour porridge. The best articles of diet are meat extracts and raw beef.

If constipation and diarrhoea seem to alternate clear out the lower bowel with an injection of castor oil or milk and water.

If worms are the cause of the diarrhoea, remove them with the proper remedies.

It is good practice to use, for all sick birds, especially if there be symptoms of bowel trouble, boiled drinking water with one-half teaspoonful sulpho-carbolate of zinc to each quart.

Avoid using violent cathartics in any irritation of crop, gizzard or intestines.



BY THOS. F. RIGG.

DECIDED ADVANCEMENT.

Chicago is expected, by everybody, to lead in everything. And it is a matter of record that Chicago rarely fails in this. It was but in keeping with the natural order of things that the National Fanciers' Association should take advanced ground in the matter of judging the various classes at the Chicago show next January. It is my candid opinion that the entirely new and novel system adopted will work to the betterment of all concerned. One fact is certain: it will bring the score card and comparison judging advocates near together in the show room. It seems to me that it is a long step in the right direction. I do not see how any fancier can fail to endorse the system. Already I have received several letters from fanciers who are regular exhibitors at Chicago, expressing their approval of the plan, and each seems to feel that it places the Chicago show on a higher plane. And now let us all resolve to "pull" for Chicago. It is to be the great show of the year. Remember this.

FEEDING FOR BONE.

In a recent communication I stated, as an opinion, that one reason why the English produce birds of larger bone and frame than we do in this country is because they feed, and have always so fed, a ration of oats, wheat and other grains which are rich in blood and bone producing properties, and that Indian corn enters but slightly into the food supply. In various journals several gentlemen have replied to this, and, getting entirely away from the proposition as I intended to submit it, have discussed another and entirely different phase of the corn question. Now, let us consider this proposition. In the first place the fact that very little Indian corn is fed in England is because there corn is comparatively expensive. It is a commercial condition. In the United States, and especially in the great mid-west, which is of itself one big corn field, corn is very cheap, and is the most available poultry food. Hence its use on the farms and in the country towns to the exclusion almost of all other kinds of poultry foods. Here, too, we meet a commercial condition. Please bear in mind this important fact: The Englishmen have taken these two greatest of all American poultry products, the Plymouth Rock and Wyandotte, and by their system of feeding have greatly increased the size of the two breeds without impairing in even one degree the great egg-yielding nature of the breeds. How have they accomplished this? Let us stick to the proposition. Why, simply by feeding foods strong in blood and bone producing elements. In a very few years comparatively they have accomplished this result by this system of feeding. No thoughtful man will say this is not true. This is a serious matter and one which should receive the earnest consideration of every American fancier. Now is the time to consider this subject. I know that chicks which are given feed largely of bone-making foods from the time they are hatched until "the end" develop into larger boned and larger framed fowls than chicks fed largely on corn and corn meal. I know that a fancier who feeds as recommended can, in a very few years, develop a strain which will, in that period of time, be far larger and more vigorous than fowls of the same breed in the hands of a man who makes corn his chief feed. I know this, for I have accomplished the desired results. We could go into this subject and explain the why and wherefore scientifically, but this, it seems to me, is not necessary, for it is such a self-evident fact. It is a matter in which I am deeply interested, for I want to see the fowls of America the best in the world. We have all the advantage, but too long have we been breeding and feeding with no particular thought of the scientific principles involved in food supplies. The fancier who for years feeds a ration rich in blood and bone making elements will build up a race of large boned, large framed fowls. He who feeds a ration lacking these essential elements, but possessing fat forming properties almost entirely, will produce a race of small boned, small framed fowls. This is a law of nature, and it is invariably sure and consistent in its operation.

UNNATURAL FEATHERING.

A correspondent at Louisville, Ky., writes: "My chicks are developing an unnatural and over-abundance of feathers. They are now extremely heavily feathered, although only about two months old. They are dying daily. I had the same trouble last year. What causes this? I feed liberally of blood meal, etc., which, I am told, is rich in all the elements needed by a growing chick."

Beyond any question of doubt our friend is feeding entirely too much blood meal. I have seen the condition described above produced in several fanciers' yards by excessive feeding of blood meal. In one case a gentleman wished to rapidly force along a number of early chicks, which he wished to place on the market as soon as possible, in order that his thoroughbred chicks might occupy the brooders. In the lot were chicks of the American, Asiatic and Mediterranean classes. He fed largely of blood meal. As a result the chicks, without exception, produced an abnormal growth of feathers. Of course this meant that they could not properly develop in frame, and in a short time the brooders were practically empty—chicks dead. So I think it is with our friend. Of late years blood meal, of various reliable brands, has entered regularly into the ration given by the best fanciers to their breeding stock and chicks. In fact it is now one of the staple articles demanded by the men who are producing the finest and best breeding and show birds. But blood meal must be fed properly or else the effects are disastrous. I have given blood meal a complete trial, and find that it is a grand, good thing, especially for the growing chicks. Experience has demonstrated that it should be fed in a ratio of 1 to 12—1 part blood meal, 12 parts mixture of ground oats, bran and corn meal. This should not be fed to the chicks until they are at least ten days old, and then given to them not more often than every other day, when it should be given as a morning feed—all they will eat at one feed. Cook the grain meals, and thoroughly stir in the blood meal after lifting the grain meals mixture from the stove. Let it also be understood in this connection that chicks which are compelled to live in cold and damp night-quarters will develop an unnatural amount of feathers, no matter how well they may be fed or cared for otherwise.

"EGGS IS EGGS."

The Paoli (Ind.) Republican grows humorous on the subject of poultry, but offers a sensible suggestion in that guise. It says:

"Eggs is eggs, and nothing else. The hen clucks and cackles and quietly accepts no end of ridicule and contempt, but she gets there all the same. She scratches for a living. I wish I knew how many mortgages the hen has lifted, how many families she has clothed, and how many children she has educated, while the farmer sat around and talked finance and politics at the store. She has done a pretty sight of it, first and last, and very little thanks has she got for it—or the farmer's wife and daughter, either. Perhaps the farmer says he knows his business, and that I don't know what I'm talking about. Perhaps not. Orange county produced last year, in poultry sold and consumed, 27,600 dozen fowls worth on the average, say, $3 per dozen, to make even figures, and 338,360 dozen of eggs, worth, say, on an average of 10 cents. That would make $82,800 for the poultry and $33,836 for the eggs, or in round numbers $116,600, more than half of which is clear profit to the farm.

"Here we made enough to satisfy all the mortgages, and pay the special school, road and bridge tax four times over. Now, that may be pretty tall talking in the opinion of the man who whittles a poplar stick in front of the postoffice, but I've got the figures to prove it."

The Republican suggests that the county poor farm take up poultry raising and render itself self-sustaining. That isn't a bad idea.

WITTMAN'S BROWN LEGHORNS.

W. Theo. Wittman, Allentown, Pa., has made a success of poultry on a small lot. We give an illustration of a portion of a model house, 40 by 8 feet, on a 40-foot lot. The cost of the building was about $1.50 a running foot. This season Mr. Wittman has orders in excess of capacity. His annual sales are more than $700. His market eggs go about $1.25 to the hen in winter. His flock is about 40 hens. In fact, Mr. Wittman has demonstrated some points worth knowing. He will send you a circular if you mention A. P. J.

National Fanciers' Association of Chicago

DIRECTORY NATIONAL FANCIERS' ASSOCIATION OF CHICAGO.

The Fourth Annual Exhibition of the National Fanciers' Association of Chicago will be held in this city January 22 to 27, 1900.

President—W. W. Hogle.
First Vice President—L. H. Fuller.
Second Vice President—C. A. Damon.
Treasurer—L. B. Richardson.
Secretary—Fred L. Kimmey.
Asst. Secretary—K. J. Muir.
Directors—A. E. Brown, B. F. Hedges, J. C. Pratt, Wm. Plaehn, F. B. F. Rhodes, P. H. Sprague, F. W. Ward, M. Wagner.

Regular monthly meeting is held at the Sherman House the first Wednesday in each month at 8 p. m.

CHANGE OF DATE.

The Chicago show will be held the last week in January, 1900. The change is wisely made, as conflict with other important shows is thus obviated. The date now named is one convenient to those exhibitors who wish to take in a circuit.

A PROSPEROUS CONDITION.

The National Fanciers' Association of Chicago was never in a more prosperous state of being than at the present moment. There is every reason in the world to anticipate a most gratifying exhibition in 1900. First of all, a spirit of harmony and good-fellowship obtains in the society. Every one is working to secure the best possible results to the cause in general. A disposition to concede minor points here and yield on minor differences there, which is the only sound basis of united action.

The firm financial standing of the Association is doubtless a chief reason for this admirable sentiment amongst the members. The monthly meetings are well attended and the welfare of the Association appears to be the main purpose in mind. We believe that the success of the organization turns upon these frequent, formal assemblies, at which the action had by the executive board is freely discussed. The work is not left solely to a few. Each member is evidently carrying the business of the Association in mind.

With such a feeling prevailing at this early period, the development of interest is but a matter of time throughout the country. Secretary Kimmey is given careful and constant attention to the preliminary details of the work, and is justifying the opinions already expressed regarding his efficiency and willingness to labor for the cause.

The last meeting of the Association was an important one. Several decisive steps were taken. The date of the show was changed to the last week in January, 1900, on account of conflicting events. This necessitated a withholding of the announcement of judges, as those previously considered may not be at liberty at the time now named. However, the list will embrace men of established reputation. Their names will be published next month.

There is now $1,185.52 in the treasury, after paying for twenty-two prize cups of a value of $595. This sum insures premiums and expenses.

The special cups consist of one valued at $50, for first award in the poultry division; one valued at $45, for the pigeon division, and twenty cups, valued at $25 each, for the various classes. Other prizes will be announced later on.

A vote of thanks was extended the Illinois State Poultry Association for "the courteous manner in which they executed their part of the agreement for the joint show"—last winter.

The question of judging was thoroughly discussed. On motion of Mr. Damon, the following measure was adopted:

"I move that the judging at the fourth annual show of the National Fanciers' Association of Chicago be done in the following manner:

"There shall be two judges to pass upon each variety. One to judge the cocks and pullets, the other to judge the cockerels and hens.

"The awards of 1st, 2d, 3d, 4th and 5th in each class to be made by comparison by the two judges selected to pass upon said variety. When any difference of opinion arises, a third judge, selected from the regular staff, with a view to his qualifications in the variety in question, shall be called in to break the tie.

"After all the ribbons have been placed, the judges will proceed to score the remaining birds (Pit Games and varieties not provided for by the Standard of Perfection excepted) in their respective classes in the usual manner."

Perhaps it is as well to say that the words, "to judge," in the second paragraph, should read, "to score." The judging by comparison will be done by two judges. This plan insures a quick announcement of winnings. Ribbons will be up at an early day. After that, the birds which do not win leading prizes will still have the benefit of a score-card report.

The show will be, undoubtedly, the largest and best exhibit ever held in the West. It will attract eastern fanciers in large numbers.

JUDGING THE CHICAGO SHOW.

The decision of the National Fanciers' Association on the question of how the judging shall be done is of the nature of a compromise. This is probably a wise conclusion, since it is likely to induce a larger entry list.

There is no denying the fact that comparison judging is approved of by the fanciers in the East. The New York and Boston shows have been conducted by this method. We of the West are seeking to get more in line with the eastern fanciers, and a show offering comparison judging is likely to be considered by them in future exhibits.

At the same time, the West is not fully prepared to endorse such a plan. The greater number of western breeders desire a score-card record, as an assistance to both sales and a better comprehension of defects in specimens. Business is undoubtedly facilitated by the announcement of scores.

Winners can be sold on the simple statement of fact. A cup or a ribbon is proof enough. But individual specimens which are meritorious, though still out of the limited ranks of winners are unaided to success by the comparison plan. There is nothing on which to base an announcement. That may not be a serious objection to some of the eastern men who frequently have large flocks and consequently stand in for some prize, but it is to the western men who have smaller number of birds.

The Chicago plan provides for a rapid determination of the ribbons. Winners will be decorated early in the show room, thereby giving the fortunate ones the benefit of the advertising. These honors will be awarded by two competent men, with appeal to a third in event of a tie.

Then the score-card judging will go on as quickly as it would in any event, and scores can be announced in time to give the exhibitors the advantage of the record.

Some of the older judges will enter protest against this plan, perhaps, but we believe it will commend itself to the fanciers generally and insure a large exhibit at Chicago next January.

A NOVEL COMBINATION.

At the fourth annual show to be given by the N. F. A. of Chicago, January 22 to 27, 1900, promises to eclipse anything of its kind ever held in the West, and share with New York and Boston the honor of being the largest held in this country, it will interest many to know in what way the judging will be done.

Chicago has always held a score-card show. Last year comparison was brought up, but overwhelmingly defeated by a full vote of the association.

A motion was made at the April meeting to have the coming show judged by comparison, but was laid over until our last meeting, for discussion, when an amendment was offered (and received but one dissenting vote) which provides substantially as follows:

"Each variety to be passed upon by two judges. First five birds in each class to be selected by comparison. In case of tie, a third qualified judge from the regular staff to be called upon to break same. After all ribbons have been placed, the judges will proceed to score the remaining birds in their respective varieties, one taking the cocks and pullets, the other the cockerels and hens. Weighing to be done the first day of the show."

The writer has always been a staunch believer in the score-card system and still believes it is the only "real thing." I have read a great deal on comparison judging, but must say I have yet to find a strong argument in its favor. Such statements as "It's quicker," and "It's cheaper," do not impress me.

The exhibitor's idea in sending birds to a poultry show is to see who has

got the best. The expense is considerable and the least he should receive is competent judges and fair treatment. This the Chicago show aims to do.

Now, a few words to explain why the writer suggested the above system.

If, as they claim, the comparison system is quicker (Mr. Felch says it is not) and gives the owners of winners more time in which to make sales after the ribbons are up, their request should be granted.

But should this concession be made to the fortunate winners who represent twenty birds at the expense of their less fortunate brothers who, in many cases, represent over two hundred birds in the class?

I say, no—most emphatically no.

Certainly the winner cannot complain, be they comparison or score-card advocates. They have ribbons and have received them promptly.

The "unfortunates" should now be considered and provided for and a score card certainly fills the bill.

It shows that the specimen has been judged; that every section has been gone over and defects noted, and if placed on the market the bird will bring twice what it would otherwise.

Under the new plan you also have the judgment of two men, instead of one; which increases your chances very materially. This is a very strong point in its favor.

It also strikes me as being a good plan not to have the winners scored.

While I have found instances when birds have scored higher at Chicago than at the smaller shows, in a very large majority of cases it is quite the contrary; and good birds, winners at these shows, with "away up" scores, suffer defeat at Chicago.

For this reason I claim that a ribbon won here loses much of its prestige when accompanied with a score card based on the merits of the specimen.

I am not a believer in high scoring, but I think if judges are going to practice it at other shows they should do it here also.

What we want is uniformity and I think Mr. Hewes's suggestion that the judges come together and talk things over is a good one.

As the success or failure of this system depends largely upon the judgment displayed in selecting the judges, the matter should be given considerable thought.

While we have quite a long list of general judges from which to select, we all know that each one excels on certain classes; therefore in picking our staff we should see to it that the entire field is covered, and not be like some friends of mine who organized a quartette but found at the first rehearsal that they were all baritones.

I figure it will take two judges for every thousand birds. Just how they are "worked" must of course be left to the secretary, who will be governed largely by the way the classes fill.

Last year with our entry of a trifle over fifteen hundred birds we had four general and five specialty judges.

If our next show does not bring out at least three thousand I shall be terribly disappointed.

With such an entry we can well afford six good men and with this force we can have every ribbon up before Tuesday noon and every bird scored by Thursday.

I am not in favor of "specialists" because one variety has just as much right to demand them as another, and it will cause any amount of trouble.

C. A. DAMON.

Chicago, May 20, 1899.

[Mr. Damon is vice-president of N. F. A. and mover of the "Chicago plan." —Ed.]

GAMES AT THE CHICAGO SHOW.

The National Exhibition Game and Game Bantam Club has decided to hold its next annual meeting during the Chicago show, January 22-27, 1900.

The questions of the method of judging and of the judge to act at the coming exhibition were submitted by letter to the 33 members of the club, and it is a pleasure to announce that all but seven of the members voted on the points at issue, thus demonstrating the fact that our Club is composed of men who are wide awake and greatly interested in its welfare. Of the twenty-six votes cast twenty-one were for comparison and five for score-card judging. The Club further voted that it desired its president, W. E. Walden, to act as judge of the Games and Game Bantams; A. E. Brown, A. E. Blunck, C. B. Earle, E. Hailey, W. E. Hamilton, B. N. Pierce, and B. C. Thornton being also remembered by the voters.

The National Fanciers' Association of Chicago has adopted the following system of judging for its next exhibition: The five prize birds in each class are to be selected by comparison, two judges to act together in placing these awards, and a third judge to be called from the regular staff to decide any disagreement. After the five prizes have been awarded, the remaining birds in each class are to be scored, one judge scoring the cocks and pullets, the other judge the cockerels and hens.

This method should suit everyone and the Game Club extends its congratulations to the National Fanciers' Association of Chicago for so happy a solution of this vexed question.

The Chicago Association has very courteously chosen Mr. Walden as one of its judges, and while under the system adopted, Mr. Walden will be obliged to share his honors, still, inasmuch as other expert Game men have also been selected by the Chicago Association, Mr. Walden can feel sure of capable assistance in the work, and all exhibitors of these varieties may be certain of receiving the best of judgment on their birds.

The regular prizes offered at the next Chicago show will be very liberal, and this Club will in due time come to the front with a nice list of specials.

All enthusiasts on Games and Game Bantams should identify themselves with this growing organization, and get in touch with those who are already at work.

The Chicago show is going to be a very popular and successful exhibition of poultry; in fact one of the grandest events of the season, and the Game and Game Bantams classes must be made one of the most attractive features of the occasion.

J. C. PRATT, Secretary.

Chicago, May 18, 1899.

CHAS. McCLAVE.

LESSONS OF EXPERIENCE.

Past experience has taught that it costs no more to feed pure bred stock than common—that pure breeds produce more eggs and more satisfactory results—that really good birds command better prices and are always sought for by intending buyers.

Past experience has taught that breeding stock should be strong, vigorous and healthy—be well supplied with a variety of food—have large grassy yard with comfortable house—supplied with fresh water and grit or crushed shells—kept free from vermin. Eggs from such stock will surely produce strong, healthy chicks.

Past experience has taught that the little chicks require no food until thirty hours old—then supply them with a limited amount of oat meal, bread crumbs and hard boiled eggs with water always before them—later adding corn and wheat ground together, also cracked wheat and corn—keeping the brooder or coop clean and the chicks free from lice. Give them liberty and keep them at work, remembering that the lazy chick never makes a prize-winner.

CHARLES McCLAVE.

New London, Ohio.

AMERICAN HOUDAN CLUB.

The American Houdan Club will issue an official catalogue, August 1, 1899. It will be a book of 60 pages, containing a complete history of the Houdan fowl, ideal cuts by Sewell and portrait illustrations of the winning Houdans of the present day. The official roster of the club as well as names and addresses of all members will be contained therein. Leading breeders will tell how to properly mate, breed and rear the Houdan. This catalogue will be, also, a work of art, the illustrations being new and by a master hand. In a word, it will be a book of great value to all who are interested in the Houdan. This club is now the second largest in this country. Membership can be secured by sending $1 with application. The president is Frank W. McKenzie, Concord, Mich., and the secretary-treasurer, to whom all communications should be addressed, is Thos. F. Rigg, Iowa Falls, Ia.

Grit must be hard and sharp.

PEKIN DUCKS.

DUCK CULTURE.

Most farmers have a prejudice against water fowl, especially ducks. They tolerate geese because those birds forage and live on grass during the summer, after the goslings are started. Ducks will not thrive under neglect. They are prone to wander, and get lost in swamps or brooks. They have a foolish way of dropping their eggs in the water, and of following a brook into neighboring farms, unless they have suitable quarters and receive regular attention. It is a good deal of trouble to look after them.

A half-starved duck will dispose of a large quantity of corn at a single feeding, apparently remembering the past and anticipating the future. The careless farmer will have none of this sort of stock. But the duck has a great many qualities to commend it to the most careful man.

There are ten breeds of ducks raised in this country, viz., the White Pekin, White Aylesbury, Rouen, Black Cayuga, Colored Muscovy, White Muscovy, Gray Call, White Call, Black East Indian and Crested White. These are named in the order of popularity. The East Indian is a bantam, bred for fancy, and the Crested White is an ornamental variety.

The White Pekin leads, for all purposes. It is valuable for raising on a large scale. It is easily raised, but is timid and must be handled carefully. It was imported from China in 1873. Mr. McGrath, of the firm of Fogg & Co., engaged in the China and Japan trade, saw the bird at Pekin, and thought it a variety of the goose. He procured some eggs and took them to Shanghai, where he set them under hens and secured 15 ducklings. When sufficiently matured, these birds were sent to the United States in charge of James E. Palmer. Six ducks and three drakes survived the voyage of 124 days and reached New York March 13, 1873. Mr. Palmer was to retain one-half of them. He took his share home, leaving the remainder to be sent to Mr. McGrath's family. These never reached their destination. Mr. Palmer's ducks began laying in March. The three ducks laid 325 eggs. From this beginning grew up the greatest duck industry ever known in this country.

The Pekin has a distinct type and differs from all others. The legs are set well back, causing the bird to walk in an upright position. The fowl is large, the flesh delicate, free from grossness. They are the best table duck and excellent layers, laying from 125 to 150 eggs in a season. They begin laying about January and continue until late in July, and again for a short time in the fall. They are non-sitters, hardy, and mature early. The method of feeding, as practiced by me, as manager of the Clear View Farm, will be described hereafter.

EDWIN W. FLY.

Chalfont, Pa.

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The Allerton Caponizer Manf. Co., Allerton, Iowa, makes a fine set of tools for this purpose, which can be procured for $3. During the years 1894-98 the average price of capons in New York and Philadelphia was above 17 cents a pound.

WRITTEN FOR AMERICAN POULTRY JOURNAL.

ORIGIN OF THE "O. K." LANGSHANS

A Veteran's Experience in Building a Strain—Line-Breeding and Pedigree are Essential to Success—Hints as to Color—Also as to Personal Matter.

BY "O. K. BILLY" HUGHES.

You request a statement of "How I do it" to make my Langshans "O. K." I cannot reply to you as I once did to I. K. Felch, when he asked that question, viz., "Breed for it." Mr. Felch said the answer was "a good one;" but that reply would cover only a small part of the ground to be gone over.

Perhaps I would better give The Journal readers an account of how I did it, rather than how I do it; since I am now gradually reducing my yards. Owing to a change in plans for my son, who has gone into another line of business, the O. K. Yards will not be transmitted from father to son, and I shall limit the production. Indeed, my birds are generally contracted ahead, there already being forty orders on file for fall delivery, 1899. Established strains are always in demand. Buyers know that they can be depended on.

The foundation of my strain was laid several years ago. A large expenditure of time, thought and money was required to reach whatever measure of success I now enjoy. In 1869 I first attempted to raise fowls, on what was then considered a large scale. That fall I had a few more than 600 birds—plain scrubs. My first venture into the fancy was the purchase of a pen of Light Brahmas early in the '70's. Then came a pen of Dark Brahmas, followed by Brown Leghorns. The latter breed I handled quite extensively, and today some of the winning specimens in the West are direct descendants of the parent stock bred by me. I really had the hen fever.

In 1876, I think, my attention was attracted to the Langshan. Being of an inquiring turn of mind, I investigated the breed. But little could be learned. Presently I saw some of the birds owned by Wm. Sargent of Kittery, Me., and concluded to get some; but my ardor was dampened on ascertaining that a pen would cost $75. This seemed an awful price, then; but since that time I have paid $75 and more for a single bird and thought very little of it—one of the reasons why my birds are now called "O. K."

If you are a breeder of Langshans or any other variety and need a particular bird to improve your stock—in fact, I will put it stronger: if you need to improve any one point (and we all do) and see a bird that is stronger than any you own—buy that bird, no matter what the price is, provided you know what is behind the bird or birds in their line of breeding.

I bought a pair, then a pen, and next the entire stock of a breeder. This was the commencement of my troubles, as well as my successes. I then thought I knew all about Langshans. Today, although I have raised thousands, I know still less. When I began work, things went swimmingly; everybody wanted birds, and nearly everything "went," mainly because I knew no better.

The second season I bred these fowls I found "kicks coming" because of yellow feet, red in hackle, etc. I had over 300 birds and did not know what to do. Finally, as I did not know where the trouble lay, I made up my mind to weed out all but two pairs and keep a record of results.

Here is where success commenced, but not until I had killed every one of the original birds and started direct with new stock from the first importations made. I had three pens, and gradually increased them to ten. I devised a system of keeping track of the birds. This was closely allied to Isaac K. Felch's chart. Today I can give a pedigree of every bird I own. I can tell what bird produced certain changes in comb; what line was followed to establish this change; what line was the best to produce color, and so on, indefinitely. But this idea is sufficient to illustrate the point I wish to make, namely, line-breeding and pedigree are the most essential factors in making a success of poultry culture with Langshans or any breed.

Another vital feature is this: never sacrifice stamina and vigor to secure fancy points. If I found any line deteriorating by my trying to hold any special point, I at once infused new blood and let that poitn go until I had fully made up my mind that the backbone was again stiff.

I found it one of the most difficult tasks to hold what I gained in one particular sire. If I got comb just about as I wished it, I eased up on that point and gave attention to something else. Then, the first thing I knew, comb was away off.

At last I learned that I must give up the idea of putting sole attention on any one point, and must breed for excellence all along the line. Here I scored another success.

There is so much that might be said from this point on that I hardly know what to say; but I will allude to a few of them.

Many breeders argue that you cannot get show birds among the Asiatics unless they are hatched early—say in February or March. I used to think so until my wife demonstrated to me that I was wrong. I gave her a batch of chicks from a late incubator hatch, several years ago. They came off late in May and had the run of the whole place. In November there were among them cocks that weighed 8½ and 9 pounds. I had specimens of the same sort, too, but my wife had saved two or three months' feed bills and beat me. I took off my hat and acknowledged her the champion.

Do you see the point? Free range, lots of care, plenty of feed, will make Langshans "O. K."

Now, as to color. At the risk of being thought egotistical, I will say I I have been many times complimented on the color of my stock. There are many things that help color. One of the most important is shade. Take a batch of Langshan chicks and let them run in the sunlight, without proper shade, and the result is purple barring. Another batch from the same parent-stock let to run in an old orchard, or where there is abundant shade, will have a much better color.

The color question has bothered many a breeder, and is still doing so. I believe it always will. Color can be strengthened by judicious line-breeding; but I am well convinced that, no matter how much pains is taken, color cannot be held under some conditions. Why this is so I am unable to say, unless it is affected by climate or soil. Here on the eastern coast I believe we have ideal conditions for plumage in the Langshan. We are subjected to a soft, damp air the greater part of the summer, caused by fogs. This is the same as on the English coast. Nowhere is such an exquisite green sheen to be seen on birds as is found on those bred on the New England or old English coast.

Feed has much to do in influencing color. Breeding in line also affects this quality. But I believe that climatic conditions, more than all else combined, are responsible.

I owe much of whatever success I have achieved to my wife, who has from the first moment of my interest in Langshans devoted time and intelligent attention to the flocks. Often, when I was an exhibitor and away from home, she has picked out an entire string of birds, without any assistance from me, and won substantial prizes with them. Moral: If you wish to raise good Langshans, get your wife interested in them. If you haven't a wife, get one as soon as possible—but be sure you make the right selection. Then your success will be O. K.

DOMINIQUE LEGHORNS.

To the Editor.—Have you any knowledge as to why the Standardmakers dropped out the Dominique Leghorns? I consider them quite the equal of any of the family, as layers, and they reproduce about as true as the other varieties. Being parti-colored, they do not reach as high a score as some of the solid colors; but I venture to say they can be bred as uniform as the Buffs or Duckwings. Their eggs rival the others. I sometimes think the new Standard was made to sell, rather than to induce improvement in breeds or aid the breeder. Still, there are some good changes. But I am of the opinion that to mate to avoid disqualification, we now have to mate too dark. This will, in a few generations, run the pullets too dark and loose in the rich golden brown. I hope the breeders of Dominique Leghorns will rally and overcome the influence that caused the exclusion of this beautiful variety.

J. STEVENS.

Webster City, Ia.

[Comments.—The Dominique Leghorn was dropped, we have no doubt, because of the desire to lessen the number of varieties in the class. There are but few breeders of this variety. While the characteristics of the family are show, the markings are not popular amongst fanciers—and that determines the value of a variation. The present tendency is towards Buffs. The barring in white and black is held to belong to the great Rock. Even the Dominique is almost ignored. The Standardmakers have much to bear and we incline to their judgment in reducing numbers. Those of the more general favor must be made perfect before minor varieties can get much attention.—Ed. A. P. J.]

National wealth can be increased by more poultry and improvement in the quality of fowls.

A PROBLEM FOR BREEDERS.

Editor American Poultry Journal.—I had just finished reading how a well known breeder had mated Barred Plymouth Rocks to "produce 95 per cent of first-class breeding males, and 25 per cent of sufficient merit for exhibition at the best shows," and "95 per cent of first-class breeding females and 20 to 30 per cent of high-scoring show specimens," when my eye fell on the article by Thos. F. Rigg in the March issue of The Journal. Mr. Rigg quotes I. K. Felch thus: "Exhibition excellence demands such merit that not 5 per cent of all the flock find a market for it; not over 40 per cent of the remainder can be sold as strictly first-class breeding stock."

There seems to be quite a difference of opinion in regard to individual merit in the flocks between these two fanciers. Mr. Rigg attempts to harmonize things by claiming that Mr. Felch "undoubtedly referred to the average flock of thoroughbred poultry," and not to the few who are "headquarters," where, when a breeder wants something extra choice, "he pays a high price, and gets it."

Does he get it? I read in the March issue of The Journal the statement of one man who didn't "get it." I have met breeders in Iowa and Missouri who have tried these "headquarters" men and didn't "get it," and I have tried them myself, for both eggs and stock, and got it not.

On the other hand, I have tried breeders of less note—just the "average," every-day kind—and have got value for my money. The reason is, the poultry magnate, the "headquarters" man, is too apt to sell his birds on the strength of his reputation, while the other fellow, having his reputation still to make, sells according to the individual merit of his fowls.

If all the so-called "headquarters" men would do as they advertise and promise in their correspondence, there would be hundreds of breeders possessing good flocks this fall as theirs. I allude to those who have purchased the very best pens or eggs from the very best pens bred by the well known men. Do the buyers get the stock? I doubt it. The breeder assures them "it takes care, coaching and training to produce an exhibition fowl. Standard markings go for little," or "the rough jolting the eggs received in transit injured the quality of the chick, by mixing the color pigment," and that is all the consolation or satisfaction this buyer, who wanted something choice, can get.

If the statement first made applied to "headquarters" men, the country would be so full of good stock that there would be no need of a statement like that by Mr. Felch; because thousands of birds are sold each year. The fact is, Mr. Felch meant what he said, without exceptions. He intended to and did include the "headquarters" man; and my investigation and experience go to confirm the opinion that he was right.

U. GRANT DAVIDSON.

Manson, Ia.

[Comments. — Our correspondent opens up a question of rather more than mathematical character. The relative percentage of winners is of less importance than the relative integrity of man. Where a breeder advances beyond the line of good fowls for productive uses he gets into a realm of uncertainty. The fancy is, as its name suggests, a region of opinion, taste, ideality. A man may have a really valuable flock without holding a show bird. It is here, amongst the competing fanciers, that differences arise; because no man can absolutely guarantee the reproduction of exhibition values in his stock. If the transaction is in birds, there is greater likelihood of giving satisfaction; but even in this deal there may be disappointment, since two men rarely agree on a bird that is sold on description. If the sale is of eggs, the chances of satisfaction are decreased.

It is probable that Mr. Felch is nearer the right in his estimate of show values. While 95 per cent of an established breed may be good breeders, we cannot believe that any man secures one in every four which will win prizes; but still one in every four may be good enough to justify entrance at a show. This is surely true of confirmed strains of Barred Plymouth Rocks, because it is no unusual thing at large shows to see a class of a score or so ranging within three-quarters of a point. The entire bunch are certainly admissible; but, as Mr. Felch says, "exhibition excellence demands such merit" that only five in a hundred are sold exclusively on that test. This does not refute the other statement. It simply indicates a higher standard of superiority.

Young breeders are apt to think they have only to buy a few eggs or a pair of birds to become exhibitors. They are ignorant of the science of breeding. They imagine that a year or two will suffice to place them side by side in competition with men who have worked for many years. They do not understand that exhibition records are gained, as a rule, only after learning the exhibition business—that is to say, the art of breeding and preparing fowls for parade.

It is unreasonable to expect a man to sell his experience when he sells the product of his experience. No man can insure progressively beneficial results in an egg-shell. It is not dishonest in him to retain the fruits of his own endeavors. If he advertises eggs from winning stock, he can do no more than to send those eggs. He can not foretell the effects of climate, handling, care and feeding by a stranger to his methods. We believe that each experiment with a sitting of eggs (from the strict fancier's viewpoint) is the beginning of a new order of things. Further, we believe that the transference of a high-winning male, for example, to a strange environment is the beginning of a new era with that bird.

The argument we make is in defense of the ethical proposition Mr. Davidson so sweepingly propounds. He intimates that there is a lack of integrity among the very men who should be jealous of their reputation. This is not logical. While the average of honesty is no higher amongst poultrymen than any other class, we maintain that it is quite as high. A "headquarters" man is in business for profit. He has spent years and money to reach his position and success depends upon his fairness. Although he may — and naturally, too — prefer to see his very best birds go into hands appreciative, since he is a fancier and an idealist, with a sentiment not comprehended by novices, yet his birds are commercial articles and he is willing to sell them at a price. But he can not ship with them the knowledge he has of how to preserve their value. Hence it follows that some of the most promising stock deteriorates in new yards and the seller is blamed.

This idea applies only to fancy or prize-getting specimens. Some of these grand-appearing birds are not producers. They serve their day when they capture a prize. Therefore, we meet Mr. Davidson's strictures on the older breeders by advising him, and others, to plan to become a fancier by constant study of the science and art of breeding for the fancy.

Men who seek to make poultry a profitable vocation are not affected by this matter. There is a vast difference between raising fowls and breeding exhibition stock. The complaints generally come from men who expect to secure and hold winners without first learning how winners are made. —Ed. A. P. J.]

WAS HE RIGHT?

To the Editor: When a question cannot be answered by "yes" or "no," and there lingers a doubt as to what is just, the specimen, animal, or person involved should have the benefit of the doubt. That is common law.

When Mr. Russell disqualified a White Plymouth Rock pullet for a single small black feather (and there is a doubt, the word should read "feathers"), he followed simply a part of the law of the Standard which applies especially in this case, viz.: "In applying all disqualifications, it shall be to give the specimen the benefit of the doubt."

Mr. Russell was in all probability sorry, and felt that it was an injustice to the specimen to disqualify her. If he had that feeling, he surely should not have disqualified her; for he failed in the law applying to all disqualifications. After the general laws concerning disqualification had been made, in came this special instruction to protect the specimen from any particular case of injustice.

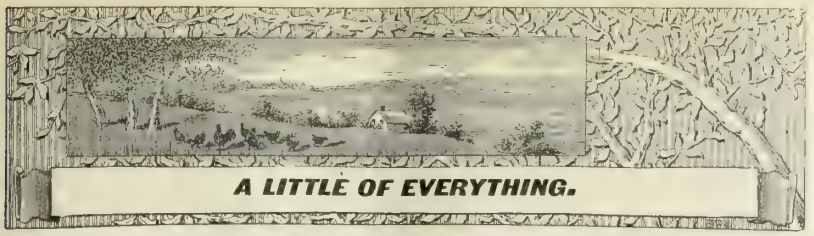
Had I been judging that bird, I should have passed over the disqualification, and let her win; but to protect both the specimen and avert any conflict between me and another judge, I should probably have pulled the feather out.

That clause was put into the Standard to protect special merit in specimens, not to protect scrubs. Here was a case wherein any effort in keeping with justice and breeding demanded that the specimen should be saved.

While I would be as open to criticism and condemnation—perhaps more so than Mr. Russell—I think, as a rule, judges can far better stand criticism for protecting special merit than for condemning it on a technical application of the law. I do not believe Mr. Russell would, in a like case, condemn, but would save such a specimen.

I think I know that the man who wrote that clause meant to, and did, write it in the plural; for he does not, and will not, disqualify for a single small feather of white in a black bird, nor a single small black feather in a white bird. To do so is to fail to give the bird the benefit of the doubt.

I. K. FELCH.



A LITTLE OF EVERYTHING.

American Poultry Journal invites its readers to this informal banquet, where-at "A Little of Everything" is served. Briefly expressed opinions or results of observation and experiment are desired. We do not care for generalizations, like "keep the coops clean," etc., for such advice is too frequent; but we want specific information as to mating, feeding, care, and the actual value of breeds—those helpful hints which experienced breeders can give beginners. Sometimes a single line is worth more than a page of general suggestions.

E. M. Durham, La Plata, Mo.—I have found my way of feeding to give good results. For morning, cut clover, bran, oats and table scraps scalded the night before. For night, whole corn and plenty of it. A mess of fresh-ground bone from the butcher's as often as I can get it. Of course, grit, bone, charcoal and scratching-pen.

Dr. H. F. Ballard, Chenoa, Ill.—One of the evils to avoid is crowding. We do not like to kill good birds; we keep too many. The result is sickness, lice, death. If we would have a good chicken for dinner every Sunday in the year, out of an average flock of 100 birds, the 50 that remain would do better. Keeping the best only would improve the flock. It is the lower half of the flock that works the evil. If half of the specimens in the poultry yards of the United States were killed for the table between now and November 1, the quality of next winter's chicks would be doubled and the prices increased.

S. B. Johnston, Boggstown, Ind.—We see in every issue of the Journal more or less about clubs, which ask for new members—especially Plymouth Rock clubs. They are hustlers. But hardly any one knows of the Bronze Turkey and Water fowl clubs. They should be made stronger. By that means they would insure equal rights in the show room. Times are better than they have been for years. Let us wake up and tell the world we are alive.

T. W. McClure, Carey, Ohio.—My experience with green bone for young chicks is that it develops combs more rapidly than it does the chick. Believe it all right for market chicks or laying fowls, but for fancy or show stock, think we should go a little slow. Would be glad to hear from breeders on this subject.

Mrs. M. F. Miller, Shepherd, Ill.—After my chicks are a few days old I feed wheat principally, and find it to be an excellent food. We are moving 100 miles north of Duluth, Minn. If I find the place suitable for chicken raising I intend keeping right on, with Duston Strain, White Wyandottes, better then I ever had, and A. P. J. will have an ad from me, as I could not do without it and do any business.

F. M. Grier, Charlotte, Mich.—If you are not in the habit of thoroughly whitewashing the fences about the poultry-runs, just try it this spring. You will not let another year pass without repeating the dose. We are through our spring house cleaning and whitewashing. The way a little whitewash and muscle will brighten and sweeten the poultry houses and runs, if for no other reason, will more than pay one for the labor of applying it.

L. B. Hanna, Columbus City, Ia.—My experience has been that by whitewashing the inside of the poultry house, with a spray pump in the fall, no dampness appears. I have taken particular notice of this the past winter by comparison with two of my houses, one whitewashed and the other not. Give a heavy coat. The lime absorbs dampness. My houses are built 8 inches off ground and filled in with clay well tamped down, which makes a good, dry floor and house. Overcome dampness and you will have less trouble with roup. I use no ventilators, but air the house every day and I am having less trouble with sickness in flock.

Struthers Sisters, Princeton, Ill.—We find that in order to keep our Black Langshan chicks healthy we must keep them at work. This we do by filling the runway of the brooder with about two inches of clover hulls and chaff and scattering in millet and grit. They are scratching continually for this, are always hungry, and are growing fast.

Alfred Jones, Louisville, Ky.—Will you kindly inform me through the columns of the Journal as to whether the color of the yolk cuts any figure with the fertility of the eggs of a hen? I know in summer that eggs hatch better, and then you always find the yolk a rich yellow. In winter the yolks are very apt to be pale. [The color is of no moment, being the results of feed. Some eggs are affected when the fowls are confined and the diet lacks coloring matter.—Ed.]

R. M. Gard, Frankfort, Ind.—After several years' shipping and receiving eggs for hatching, I find the best way to pack eggs is in a basket with excelsior or chaff. These boxes and crates are causing a big loss in breakage. I have received several orders with directions to ship in baskets, so others have found out the best way too.

H. P. Clarke, Indianapolis, Ind.—There is lots of cockfighting in our new colonial possessions, but none with round-blade gaffs as in this country. The Porto Ricans and most of the Cubans fight with natural spurs, while the Filipinos use double-edged sword-blade slashers, very similar to those of Mexico, and used in the same way, i. e., each cock has only one spur and that always on the left leg.

H. C. Eckert & Sons, Belleville, Ill.—Don't tolerate that tardy layer any longer. If you wish to have success with pure-bred poultry you must breed for utility as well as for Standard requirements. Try and establish a good laying strain. Never breed birds unless they are vigorous and of good constitution.

W. S. Grigsby, Lena, Ill.—Why do I raise fancy poultry? I have two reasons: one, for profit, and the other, enjoyment. To make it a profit you must work with a will, and keep things up in shape; care for each fowl; feed plenty of eggs-producing material. For this, green cut bone cannot be beat. Get a bone cutter, and then you will be more sure to have it. My hens are doing finely this spring; have no sick fowls to gather up, but baskets of eggs; and have now a good number of little chicks.

Geo. S. Barnes, Battle Creek, Mich.—There is one point in favor of the Buff Leghorns that few of the Buff breeds can claim, and that is, a June-hatch chick will make a winner. To my knowledge some of the best winners at Detroit, Chicago and Bay City last January were middle of June, 1898, hatched chicks. The past winter was the coldest we have had in 15 years, and the Buff Leghorns began to lay last December and right through zero weather and still agoing.

Rev. E. W. Rankin, Manitowoc, Wis.—There are three essentials to success with a flock of fowls: clean, comfortable quarters; an abundance of pure water; and a variety of wholesome food. These are very simple matters, but they must be attended to. I am convinced that the kind and amount of food are not so important. Some successful breeders make corn the staple food; others are afraid of it. Some tell us that fowls will not thrive without soft food; others never use it. I have fed all sorts of rations with about equal success.

Frank W. McKenzie, Concord, Mich.—If our farmer friends and fanciers living in country towns knew the full benefit to be derived from the siftings of hay, especially clover hay, they would give a bushel basket or two to the hens each morning in the winter. This chaff contains all the tender blades and heads from the clover and over half is generally eaten by hens; the other half making excellent litter to feed grain in. It is not fit for stock and is generally wasted on the ordinary farm.

C. E. Voss, Washington, N. J.—I have found best results for vitality and egg production in laying hens to come from feeding a morning mash made of scalded clover chaff mixed with corn meal, middlings and wheat bran. At noon, oats and barley. At night, barley, oats and a little corn mixed.

E. A. Phelps, Austinburg, Ohio.—Less corn meal and more wheat, oats and meat will be found to give better results in feeding young birds.

Geo. Owen, Wray, Colo.—I find, by experience, that it makes no difference, as to feeding mash at night, morning, or not at all, if fowls have a balanced ration. The time is not the essential point, so long as just enough is given and the fowls have to work for it. Twice a day is often enough, with plenty of exercise. Alfalfa hay leaves beat all other green feeds, as they constitute a balanced ration. We got an average of 21 2-3 eggs per hen in March with this method of feeding.

L. Brown, Sturbridge, Mass.—I think I have the largest egg from a B. P.

Rock hen one year old. The egg measured 11 inches by 9 inches. On breaking it I found inside a complete egg, with shell. Can anyone beat this? (Double eggs are not unknown, but are of course abnormal and uncommon. Such freaks of nature are not desirable.—Ed.)

I. W. Houston, Marshall, Mich.—In mating Buff Rocks, with the idea in view of gaining the solid buff goal, bear in mind that undercolor and color of shaft of feathers have more to do with procuring the final coveted buff wings and tails than the color of wings and tails primarily. Given a pen of rich undercolor, shaft dark buff, some black in tail of the male, and the result will be better than with a pen showing light undercolor and quills, with nearly or quite clear wings and tail.

E. F. Peirce, Catawba Island, Ohio.—Don't raise scrubs. Get some good stock and keep up with the times. Keep the chicks out of the wet grass. Wait till the sun is up. Oatmeal is the "boss" food for chicks the first two weeks.

W. L. Mills, Clear Creek, Ill.—To remove broody hens from laying-room: Prepare a nest nicely in a low box in a shed or building where there will be no disturbance from other fowls. Make the transfer after nightfall and as quietly as possible. Keep a slatted coop over her for a few days, until she is accustomed to new place. Dust her with insect powder two or three times during period of incubation. Provide a variety of food, pure water, and grit.

Dana Twining, Frankfort Station, Ill.—To set a hen in the house where others are laying: Cut four pieces of 6-in. boards 20 inches long; four pieces 18 inches long. Take two of the long and short, nail together into an 18-in. frame. Then take four pieces 1-in. square, about 6 in. long, and nail on frames diagonally at each corner. There you have the part that holds the nest complete. Take the other four original pieces and nail as before, into a frame. On this, nail slats on top. This is cover for nest. The hen is thus under control. A light weight on slats will confine her.

Albert L. Sessions, Bristol, Conn.—A few naphtha balls in each nest, or under sitting hens, do no harm, but lots of good.

Gunn & Co., Marlboro Depot, N. H.—Experience has taught us that the large breeds of fowls pay best, from eggs to butcher. Last year a Light Brahma hatched 12 chicks and raised 10, which sold alive to the butcher for just $10, after having laid a goodly number of eggs. All fowls need plenty of range.

Edwin W. Fly, Chalfont, Pa.—Black Minorcas and R-c. B. Leghorns make a good cross. The pullets are small but of fine shape. I have named the cross "Rose-comb Black Leghorns." They are prettier than the Leghorn, with broad breast. The plumage is so black that it has blue tinge. They weigh about 7 lbs. the pair.

A. A. Bisbee, Hartley, Ia.—The thermometer in incubator should be placed on a level with the top of the eggs, without touching them. Beginners do not understand this. The temperature should be 103 degrees. On testing eggs the 8th or 9th day, mark a row of pencil dots around the air space. By observing the variation of this spot you can soon learn to gauge moisture and ventilation.

Adam Heimberger, New Albany, Ind.—Trade in Langshan stock and eggs this year has been phenomenal. Eggs are unusually fertile. I never use a weak or undersized specimen in my breeding yards. It pays to follow this rule. A bird must be more than high-scoring; it must have perfect health.

J. R. Hudson, Hardin Springs, Ky.—Feed at regular hours. Don't be stingy with grit, ground bone, etc. Meat two or three times a week makes hens lay. Avoid spoilt food. Give variety of feed. Keep the lice down. Never sell stale eggs. Clean the droppings away every morning. Be gentle with the fowls. Use the same words when calling to feed them.

H. C. Clark, Von Culin incubator, Delaware City, Del.—Don't blame every failure to get a good hatch on the moisture. This question is not as big a stumbling block as most people think. Mention A. P. J. and ask me for a pamphlet on the problems of getting chicks out of the shell.

Kirkpatrick & Gundlack, Lincoln, Ill.—The majority of poultry raisers find fault with the size of eggs, especially of large breeds. They think that only large eggs will hatch large chicks. We have found from experience that medium sized eggs are superior to large ones.

Browne & Mann, 428 N. 53d st., Austin, Ill.—A Pit Game hen, in our opinion, makes the best sitter and mother. She averages up well with some of the so-called egg breeds when it comes to egg production. The Wyandottes are also good mothers and are unequaled for winter eggs.

O. L. King, Walnut Grove, Ill.—Feed growing chicks four or five times a day. Stale bread, moistened with milk; steel-cut oatmeal; baked corn bread, made up for the table; wheat screenings and millet seed, with plenty of sharp grit and pure water, will make them grow. Little things must be looked after to insure success.

J. B. Mosley, Austell, Ga.—I have adopted colony plan for chicks, with houses similar to Mr. Riggs's illustrations in April A. P. J., and unlimited grass range, as the only one I can handle successfully and keep old hens and chicks under control. They will soon learn their houses and go to them, without being driven. I enclose one corner of the run and arrange for the little ones to go under and feed without being molested by old fussy hens. The houses and runs can be joined, but this requires more training at first. They should be cleaned or moved every two or three days, and kept whitewashed. They can be used to advantage all the year.

Dr. W. E. Bartlett, Belle Plaine, Kan.—Feed chicks, the first week, Vitos—one of the breakfast foods obtainable at groceries. I find it an ideal article for this purpose.

Empire Poultry Yards, Mechanicsville, N. Y.—In Buff Rock pullets I notice that those whose combs have a decided tendency to lop are the first to lay and the last to stop laying. This is a rule I am convinced of but cannot explain. Have any of your readers noticed this trait? [We would like to hear from Buff breeders on this point. Is there some Buff Leghorn blood in these particular birds?—Ed.]

A. S. Parson, Garden City, Kas.—Be patient with that customer who bought eggs. He is as honest as you, probably, but he expected great results from his 100-cent dollars. He didn't get what he expected in the hatch—so he kicks. [This is a point on which we try to bring the seller and customer nearer together. Patience and courtesy are necessary in our business.—Ed.]

Cleveland Poultry Co., Plattsburg, N. Y.—We find the Indian Game the best all-round fowl. It grows fast matures and lays early, is an excellent rustler and is delicious for the table. It is handsome. The chicks thrive best when fed on cracker crumbs entirely.

J. H. Doane, Gouverneur, N. Y.—If one has limited range, it is much better to hatch a few chicks and keep them growing to maturity than to try to "corner the trade" on exhibition or breeding stock. A good range and careful attention makes choice stock. With a small range and great care one can mature a few birds that conform to the Standard. It is better to raise only a few, if individual quality is the object, than to hatch a lot. The black varieties are apt to show gray or white tips if crowded while growing. Then the fault is charged to "lack of vigor" in the breeding stock. Room, care and constant growth are sure to tell favorably in the list of good results.

W. J. Lincoln, Mt. Pulaski, Ill.—I have found where hens are used for hatching that if camphor balls are dropped in with the eggs they will free the hen and box from lice and bring out the chicks without a mite or louse on them.

H. A. Hoyt, Whitewater, Wis.—Buff Rocks and Buff Wyandottes are the coming birds.

Michael K. Boyer, editor A Few Hens, Hammonton, N. J.—Instead of attributing failure to the common excuse of "It's just my luck," the beginner should make it "Just my pluck." It is pluck, not luck, that counts. Energy and perseverance are sisters to pluck. "I'll try my luck" would sound much better if changed to "I'll try my pluck." "Luck" should be spelt with a p (p-luck). I have very little use for the man who blames "his luck" for shortcomings that could have been righted by pluck. (That's good advice. Mr. Boyer is one of the practical men in the business. He has demonstrated the value of pluck by literal experiment, and knows what can be done with it.—Ed.)

Ezra Cornell, Ithaca, N. Y.—Should there be any disqualifications in our Standard excepting general disqualifications for all varieties, such as for deformities, etc.? Is not a first-class Black Minorca or a Langshan with enough white to disqualify him preferable, for stock purposes, to an inferior bird with no white; or a first-class Rock or Wyandotte with a stub feather or two preferable to a poorer bird with clean legs? If these disqualified birds are of more value, why disqualify them? (Mr. Cornell evidently asks these questions to call out comment. He is an experienced breeder of exhibition stock and knows that the Standard is built upon show lines pure and simple. As a matter of practical fact, the actual value of a fowl in a productive sense depends in no degree

upon the judgment of the show room; but in a fancier's sense it depends entirely upon that ruling. The art of breeding requires disqualifications, as it does cuts of a fraction on points. And the life of a show is dependent on these arbitrary opinions. Carried to its ultimate, the growth of interest in poultry turns on a "point," because it is competition in the show room that keeps the interest alive. There are two distinct phases of poultry culture—commercial and fancy. The Standard applies to the latter, just as the latter appeals to the former in the stimulating of the public desire for better poultry.—Ed.)

Mrs. E. I. Reynolds, Haskell, Ind.—I make a specialty of Buff Plymouth Rocks, because I am convinced they are the all-purpose fowls of the future. They lay at six months and continue all winter; they are hardy, healthy and good on all lines.

H. D. Thompson, Wheeler, N. Y.—I can get better results from breeding hens that have been judged by comparison than by the card. Especially is this true of Houdans. A bird that might get a score of 95 may produce too light-colored chicks. We invariably compare our birds in mating them and decide their worth in that way.

A. Holmes, Bangor, Mich.—The most effective, cheapest and most easily applied remedy for lice is air-slacked lime. Slack it with a little boiling water, in the air, and it becomes as fine as flour. Apply with a small basin. After dark, scatter it over them and get out of the house. (This is a rather severe remedy, we should say. If a man can't stand the dust, surely the fowls must suffer, too.—Ed.)

D. D. Shirley, Allerton, Ia.—Breeders engaged in the production of poultry for food should study the subject of caponizing. One doesn't have to be a philosopher to realize the importance and value of this process. I have studied the matter for several years. If your readers will send to me, inclosing stamp for reply, I can furnish them some desirable information.

H. N. Hanchett, Jackson, Mich.—Every poultryman has in his flock one or two hens which lay more eggs than any of the others. Raise all the chicks possible from such hens, for here is a foundation for a strain of layers. How can you tell them? Look through the advertising columns of the Journal—you will find how others do it. And attend the Jackson show next winter. An exhibition will be given of methods.

Mrs. J. H. Drebaugh, box 7, Batavia, Ohio.—Do not send the children to gather the eggs and then wonder why some customers get Buff Rocks from Barred Rock eggs. Mate your flocks right, feed them right, mark your eggs correctly. Answer all correspondence as speedily as possible. Do not scold when a hen goes to sitting. Let her enjoy the pleasure of hatching a brood (which no doubt she greatly admires) and she will go to laying again refreshed. Poultry raising may be made a pleasure, as well as a profit.

Rev. John Hughes, Table Grove, Ill.—Exercise for hens sufficient to keep them in good condition is conducive to laying, but "keep them scratching" has been overworked. A hen confined within reasonable limits will lay more eggs than one on unlimited range. The surplus energy needed for eggs may be worked off in scratching in straw for a few grains. Let your moderation be known of all men.—[Sensible advice, that, from a sensible and very successful breeder.—Ed.]

From a modest but very successful man, who wishes his name left out—the first case on record.—"I have found that moving a non-layer starts her as promptly as moving a layer stops her. Has any one had a similar experience?" [Why not? The rule should work both ways.—Ed.]

C. M. Steinmetz, Rose Hill, N. C.—There was little doing in the early spring months down here in the southeast land. My specialty is S.-c. Brown Leghorns. They are close-feathered and stand the climate nicely. I shall be ready for the big shows next season, having gained a taste for prizes the past few years.

A GOOD POULTRY HOUSE.

The chief feature in Farm-Poultry for May 1 is a description of a scratching-room house which is designed by John W. Hill, of Lynn, Mass., and Dr. Woods. The plans are easily understood without illustrations. We condense the description.

The house may be extended to any reasonable dimensions by adding compartments, but the basis is 14x32 feet. It is 7 ft. 6 in. high in front and 3 ft. 6 in. at rear. There are 12 windows of 12-light sash in the front, set in alternate three-one groups. That is, three close together and a space, then one, and so on. A door is placed at each end of the house, at highest point. A single-sash window is shown in each end, three feet from the rear. This can be omitted. The interior is divided midway by partition, with door. A space 8x5 feet is cut off for a roosting room, at rear and adjoining the partition, in each section; leaving clear space at front and end of each roosting-place. Droppings-boards are under the roosts about a foot above the floor, 4 ft. 2 in. wide. The three perches are of spruce, 2x3, with narrow side up; the edges rounded. These are set 9 inches from inside edge of perch to back of coop; then 15 inches to each of the others. They are 7 ft. 6 in. long. The house is divided into two pens by a partition through the center from front to back. The roosting room is made of matched spruce, but outside of the roosting room the partition is made of common hemlock, 3 ft. high, then laths placed about 3 inches apart up to the rafters. The door of this partition is hung on double spring hinges, so that it will open either way, and return to central closed position. It is of light frame, 1x3 in. stock, with 2-in. wire netting. The lower half of door should be covered with burlap, to keep the fowls from fighting. The door must be made to fasten. The roosting-room is made tight at each end, and has a hinged screen front, which lifts up against the roof in warm weather or daytime, and can be dropped down on cold nights, thus making the roosting-room very warm and secure. The roosts are framed together, to lift up and facilitate cleaning the dropping-boards. Thus we find a house within a house, as it is intended that the front screen shall be mounted on a frame of 2x1 in. furring; or there can be two screens in each pen, each 4 ft. square; they will fit sufficiently close for practical use. The screen hangs from the lower edge of the rafter down to and overlapping the floor board, which is set in grooves; (this board may be removed from pen in warm weather). For covering the screen, Mr. Hill recommends 8 oz. duck, but Dr. Woods prefers common burlap one thickness on each side of the frame. The nests are arranged one above the other against the walls of the roosting room. Mr. Hill believes that in this position the eggs will be in less danger of chilling than if the nests were on the floor. Dr. Woods favors placing the nests under the droppings board. Six nests are allowed for each pen, three against each side wall of the roosting room.

For lumber, the recommendations are: 3x4 in. sills; 2x4 in. plates and studs; rafters, 2x5 in.; these will stand being three feet apart, but will be better for using up the lumber if placed two feet apart. The droppings board is made of matched spruce. The entire outside of house is boarded with common hemlock. The roosting room is matched spruce, having an air space of 4 inches at the back, and a 2 inch space between the double side walls.

The end windows are desirable in summer. Four of the front windows are made to slide in ways, and a screen inserted. An ordinary water pail set half way through the partition into each pen, and has a staging around it made up of 2x3 stock, the outer piece being hinged for convenience in removing the pail. Doors are raised six inches above the floor, so as to swing clear of scratching material.

While each pen is made to accommodate forty layers, probably a smaller number would do better. The cost is shown to be $2 a running foot, estimating materials at eastern prices.

Victor Dewein has been obliged to resign the secretaryship of the Peoria Feathered Stock Association, because of private matters. The death of his mother has necessitated his giving up his present home, and he can no longer carry on his business of raising Partridge Cochins. His birds, however, will be cared for by a friend. He hopes to have him return to the work soon.

HATCH Strong

CHICKENS

Then keep them healthy and growing if you want the *Pullets to lay* when five months old When hens lay eggs for hatching mix in their food every other day

Sheridan's Powder.

It strengthens the hens; makes the rooster *more vigorous*; finally you get more fertile eggs and strong healthy chickens. Persons who *succeed best* in keeping Poultry, commence with little chicks; giving twice a week an even teaspoonful of Sheridan's Condition Powder mixed with each quart of food, gradually increasing the dose. Sold by druggists, grocers, feed dealers or by mail. Single pack 25 cts. Large can $1.20. Six cans, $5. Exp. paid L. S. JOHNSON & CO., 22 Custom House St., Boston, Mass.

June in the Poultry Yard.

Look sharper than ever for lice. The cold weather this spring has kept lice and mites somewhat shady, but they are not dead by any means, and every effort should be made to prevent them from becoming too numerous to mention.

Take more pains in keeping everything about the place clean and in a perfect sanitary condition. Warm weather is approaching and the time for various summer complaints is at hand. Most of these come from dirt or lice, or both. Cleanliness is necessary to success and it doesn't cost much after one gets started.

Don't let the young stuff stop growing for a minute. June is the most favorable month in the year for giving the birds a good start and making them so vigorous that they will endure the hot weather of late July and August without withering up and blowing away as they are sometimes inclined to do.

I have but little trouble with lice and mites. I discovered long ago that the best time to kill these little pests is just before they make their appearance. It is not necessary to take elaborate precautions to keep them in subjection. Kerosene applied to the perches once a week will usually hold them in check. If there are many English sparrows around it is a hopeless task to try to keep the premises entirely clear of mites, but the kerosene treatment will keep them from becoming very harmful. If dry road dust, air slacked lime or coal ashes are kept under the perches lice and mites will not flourish as they will if no dust is about the place. Arrange your poultry house so the perches do not touch the walls at any place and it will save much trouble, as this confines the mites to the perches where they can easily be got at. For the big lice I have found nothing superior to fresh Persian insect powder. Go into the house after the fowls are asleep and dust them well with the powder, or if they are very bad take the birds separately and, holding them up by the legs, dust down into the feathers with a common powder gun.

There is no better disinfectant than bright sunshine. Open the poultry house during the day as much as possible and get all the direct sunshine into it that you possibly can. Whitewash is a great destroyer of odors and a coat of this will sweeten the air for days. Road dust absorbs noxious gases and kills off odors and is a pretty good thing to have around the poultry house. If you cannot get dust use dry garden soil, sprinkling it over the floor every day and when it is an inch or so deep haul it out to the garden with the droppings that are in it, and it will be worth all the work you have done to get it into and out of the poultry house. Hens do not care whether their house is clean or not, but the owner will consult his own interests by keeping the premises as clean as possible, especially during the hot months of the year.

To keep the young stuff growing all the time during the month of June should be the aim of the poultryman. As a rule June is neither very hot nor very cool. Usually it is a month when there are no hard rains, no frost nor any extremely hot days. Chickens grow almost of their own accord during this month and it will not require much effort to keep them adding weight every day. The young turkeys should be kept out of the heavy dews that fall during June. Keep them shut up in the morning until the grass has dried off. Give them cottage cheese, boiled potatoes and once a week a little fresh meat boiled with potatoes and these mixed with wheat middlings into a rather dry dough, and all seasoned with a stiff dose of cayenne pepper. If they are kept going until July they will be ready to take to the woods and fields, and from that time they are safe.

Keep ducklings and goslings out of the wet until they begin to have some feathers on their backs. Feed them somewhat coarser feed than you would give to chickens and feed them often, for they are mostly appetite just at this time of the year. If you have a big bed of lettuce cut this and give to the waterfowl and they will make good use of it.

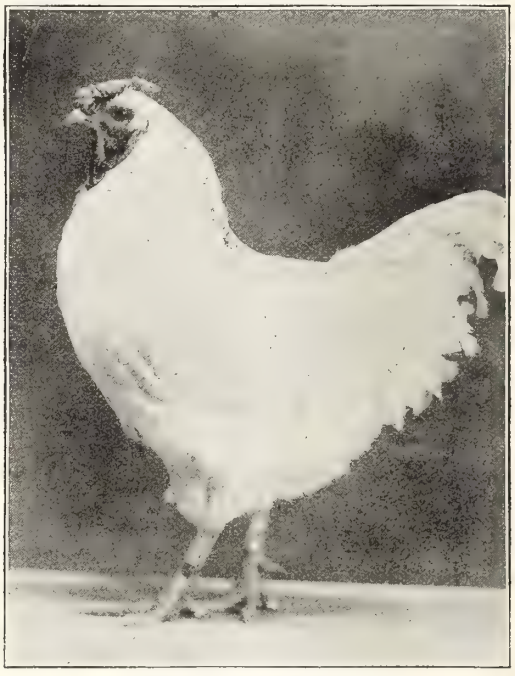
Goslings begin to eat grass pretty young, and if they can have a nice plot of clover to run on when the weather is dry they will thrive in an amazing manner.

Don't forget that your laying hens need extra good feed at this time. They have been laying for a long time and must be fed in a liberal manner or they will drop out of the race and take a rest. Hens that become broody should be shut up in a box with a slatted bottom. This will break hen of the notion of sitting about as quickly as anything we ever tried. Feed less corn and more wheat and all the milk you have to spare. It is not good economy to feed milk to hogs when there are fowls on the place to consume it. It pays better as eggs and poultry than it does as pork.

It is not advisable to set any hens during the month of June, as the chicks will come at the beginning of hot weather and require extra care, and then they hardly ever do as well as those hatched earlier or later.

MILLER PURVIS.

Lake Forest, Ill.



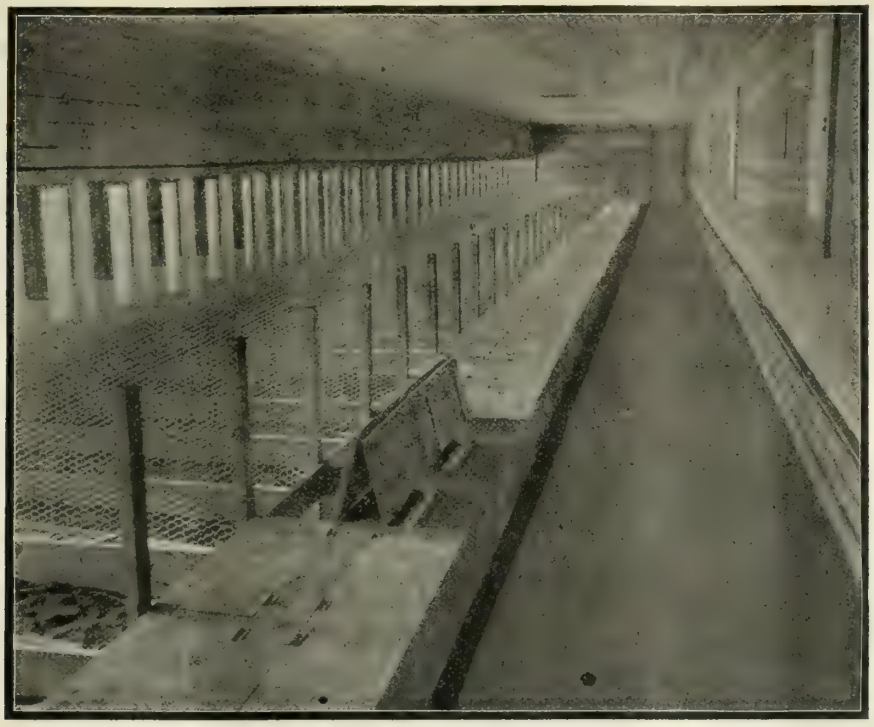
WHITE WYANDOTTE COCK.
Bred and Owned by A. J. Bargahiser, Rockford, Ohio.

JOHNSTON'S TURKEYS.

We have known S. B. Johnston of Boggstown, Ind., a good many years and have watched his advancement in the poultry business with pleasure. His farm is truly the home of the Mammoth Bronze Turkey. His winnings place him in the front rank of breeders. During the summer season, as shown by the announcement of the back cover page of this issue, eggs are offered at half catalogue prices. The address is S. B. Johnston & Co., Boggstown, Ind.

E. M. Durham, La Plata, Mo.—The outlook for poultry is the brightest I have ever known. Young stock is doing splendidly. My February, March and April hatches have never been finer. Demand for breeding stock has been good. I have not pushed egg-trade, but have shipped birds from Ohio to Texas, and to Dakota, Minnesota, Colorado, etc. [He has Rocks, Buff Wyandottes and Buff Cochins.—Ed.]

U. R. Fishel, Hope, Ind., has more of his splendid White Rocks than he desires to carry over the summer. He offers bargains in his ad in another part of this issue.



PLAINFIELD POULTRY FARM, PLAINFIELD, N. J.—Interior View of Laying House.

ADVERTISING NOTES.

D. Lincoln Orr, Orr's Mills, Orange Co., N. Y., exhausted his first edition of booklets and had to issue circulars pending the appearing of the second edition of his fine catalogue. This shows the business he is doing.

Sigler & Layton, of Leon, Ia., sent copy for a change in their ad in May too late to be inserted in the ad. They wish to announce eggs for June reduced in price. The price for Barred and Buff Rocks, Red Caps, B. B. Red Game Bantams is $2.00 for 13; $2.50 for 26. If A. P. J. readers will write the firm for catalogue they will be pleased to send it.

J. T. Tharp, Mt. Sterling, Ia., writes that he has sold all of his surplus stock and has had a good egg trade. He should be borne in mind by those intending to improve their flocks of W. and B. Rocks, W. and S. Wyandottes, R.-c. B. Leghorns, Langshans, P. Cochins, L. Brahmas and Pekin Ducks.

We wish to direct the attention of our readers to the advertisement of H. C. Eckert & Sons, of Belleville, Ill., which appears elsewhere in this issue. It will be noticed that they are making very liberal reductions from their usual prices to meet the lateness of the season. This will afford a grand opportunity to those persons who wish to start into the poultry business or to the breeder who wishes to infuse new blood into his flock. These people are the originators of the Cyclone Strain of Black Langshans which are so well and favorably known to fanciers. Write them for what you want.

S. B. Johnston & Co., Boggstown, Ind., write: "We never saw such a demand as there has been this season for Bronze Turkey hens. We could have sold 500 or 600 more than we had to offer. The egg trade, however, has been lighter than was expected." This falling off was owing to the lateness of spring and is quite general. Mr. Johnston's stock is regarded as amongst the very best in the country.

Dr. W. A. Crum and L. A. Logsdon, Carey, Ohio, owners of the Spring Run Poultry Yards, writes: "On May 4 we had about 700 chicks of April hatch; and a finer and more thrifty lot never grew. A. P. J. has sold a large per cent. of stock and eggs for us this spring and we truly know it to be a good advertising medium." Our readers in search of early-hatched stock for early shows should bear this firm in mind. Write for first choice.

H. H. Wallis, 46 E. Lake street, Chicago, who has interests at Delavan Lake, Wis., has received fine commendation of his Black Minorca eggs. One lot sent to Houston, Texas, stood the journey well and produced nine chicks from a sitting. One egg was cracked. The buyer was greatly pleased at the result. F. C. Farwell of Chicago reports that 13 chicks were hatched from 20 eggs, by incubator. He speaks approvingly of Mr. Wallis's stock.

Geo. H. Burgott, Lawton Station, N. Y., says his trade was never better, although the season was late. Early eggs did not hatch well. His stock is mainly sold. He will judge five fairs and three shows next season.

U. R. Fishel, Hope, Ind., reports the largest egg trade he ever had. His fowls are doing finely. Eggs were very fertile.

W. N. Smith, Ohio, Ill., writes that his chicks are coming on nicely and this is the banner year. His trade through A. P. J. kept him hustling.

GEORGIA STATE FAIR.

The Georgia State Agricultural Society will make a special feature of the poultry department. B. H. Baker is named as superintendent. The great event will be held at Atlanta, October 18 to November 4. The cash premiums amount to $1,500. Special premiums valued at $400 will also be awarded. Entries for the poultry department will close Friday, October 27, as the exhibit will continue only during the closing days. Address T. H. Martin, secretary, Prudential Building, Atlanta, Ga.

CHICAGO POULTRY SUPPLY HOUSE

We carry in stock every description of Poultry Supplies. Incubators, Brooders, Bone Cutters, Oyster Shells, Grits, Blood Meal, Peas, Millet Seed, Beef Scraps, Coops, Drinking Fountains, Lice Killers, Roup Cures. Buy of us and save the freight from eastern points. Send for catalogue.

F. S. BURCH & CO.,
178 Michigan st., Chicago, Ill

THE AMERICAN POULTRY JOURNAL

Published the first of each month by
MORGAN BATES & CO.

Entered at the postoffice at Chicago, Ill., as mail matter of the second class.

Subscription price 50 cents a year in advance.
When delivered by carrier in Chicago 75 cts. a year in advance.
Payment for AMERICAN POULTRY JOURNAL, when sent by mail, should be made by money order, registered letter, bank draft or express money order.
Stamps can be sent for small amounts.
Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a favor by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

All copy for advertising and manuscripts for publication should reach us not later than the 20th of the month preceding the date of issue.

LET US BE FRIENDLY.

Discussion of the several questions as to what constitutes the best qualities in a fowl is the circulation of life-blood in the poultry business. This necessary debate, however, must be carried on amicably, without personalities or acrimony. It is destructive of the purpose in mind to retort harshly or to assume that injury is intended when a theory entertained by one breeder is criticised by another. The characteristics which go to make up a persistent and intelligent experimenter in this field of profitable labor are also those that render a man impatient under opposition. Usually a thorough fancier is of a most positive nature. He believes that he is right, and consequently has but little sympathy with those who suggest that he may be in error.

We should learn a good lesson from the experiences of men who have conducted investigations along somewhat similar lines. No man was ever more vigorously combatted than Darwin, yet he bore ridicule, contumely and misrepresentation with the placidity of a genius. In our realm the work is less world-commanding, but it is quite as important, so far as it goes. Poultrymen are trying to improve the domestic fowl, with a view to making it more productive. One of the means employed at this early stage is the public exhibition of specimens of what has already been achieved. These shows necessitate a code of government and a system of rules for the judgment of values. But, after all, these are arbitrary matters. They rest upon taste, opinion, ideals. They are not fixed beyond dispute, nor are they vital to the main problem.

We mean by this statement that the opinions held today may be discarded five years hence. These notions consist of views concerning the "show" requisites of birds. They belong to the art side of this preliminary effort to upbuild public concern in poultry. Hence, while they are very dear to the heart of the fancier at present, a shifting of the view-point may render them unimportant. New men are coming into the show room. New judges are taking the place of the old. Even among the older ones there is decided difference of opinion on these art points.

We say, therefore, such argument as this now going the rounds of the poultry press on color disqualifications should be treated more amiably. Comparison versus score-card judging is another question for calm debate. Let us concede to each other the right of opinion and a fair intent.

IMPORTANT TO ADVERTISERS.

Requests for change of ads and reading notices must reach this office not later than the 20th of month, for the ensuing issue. We prefer to get the matter even earlier.

Communications must be sent in prior to the 15th. The work of editing copy and arranging forms is mainly completed by the 18th. Our large editions require this.

FREEDOM OF THOUGHT.

Whoever differs with The Journal on any opinion or expressed idea has the right of free speech through these columns. We do not expect to agree with all. We court debate. The only restriction placed upon discussion is omission of personalities or libels.

UNCLE ISAAC SPEAKS RIGHT OUT.

Under the caption "Was he Right?" will be found elsewhere in this issue a letter from Isaac K. Felch on "the benefit of the doubt," in cases of a single small feather in solid birds. The instance is that so much discussed as to Mr. Russell's position. He disqualified on the strict interpretation of a clause without viewing the broader context.

The question is one that calls forth a hot debate among judges and fanciers. The code governing judges is about like that of other human devising. Indeed, it may be said that even the Divine law is sometimes interpreted in different and divergent forms. So the frank and rather startling confession by the veteran judge, namely, that he would pull a single small feather from a meritorious specimen and thus not only pen the bird but avoid evidence for criticism, is interesting. It sets a precedent in the ethics of the show room.

Plucking is a perilous liberty. It opens the way to possible fraud. It is to be denounced on general principles. But here comes Uncle Isaac with his long and honorable record in hand, and boldly avows that "the benefit of the doubt" should go to a bird of notable quality. There is a good deal of sound sense in that idea, perilous though it is in the minds of evil-disposed men.

We admire our grand old friend for his courage in maintaining his convictions. No one can truthfully assert that he is afraid to say what he thinks—and he usually keeps the fraternity pretty well stirred up.

Acting Secretary A. E. Felch has done a very neat and creditable job on the pamphlet containing the proceedings of the American Poultry Association at the last annual meeting in Toronto, Canada. The mechanical work was done in the office of the Poultry Monthly at Albany, N. Y.

Paint pots and cans are thought to be harmless, if we are to judge by the numbers we see in corners on many a place. Hens seem to have a fancy for drinking from old tins of all kinds, and when they find a paint tin with old water in it, drink the contents, inducing many an attack of bowel trouble.

We are always glad to have our readers express their views on the features and opinions presented in The Journal. Criticism is the motive power of advancement.

LIST OF SPECIALTY CLUB OFFICERS.

The present year shows prospects of being the most prosperous in the history of poultry culture. All fanciers should join, and lend their enthusiastic co-operation to boom the specialty clubs.

A little help from each breeder will enable these clubs to accomplish much during the coming show season.

In the past year several of the older clubs have shown renewed energy. And the later formed associations have met with wonderful success, due to hard work and hearty interest of their efficient officers and members.

All fanciers should recognize the personal benefit they can obtain from these clubs, if they will give assistance and become identified in pushing, persevering toward poultry prosperity.

Do not leave the work to others, but do your share. Many small efforts united will make a large result.

Let all lovers of thoroughbred poultry join in a mighty trust to increase interest in more and better poultry.

And as the specialty clubs are powerful factors to aid in this, they should receive the cordial support of all.

Keep this list for reference and try to interest your friends to become members of some club. Fraternally yours, WM. H. RHEES.

Washington, D. C., May 15th, 1899.

American Poultry Association.—President, Allen Bogue, London, Ontario, Canada; Secretary-Treasurer, H. A. Bridge, Columbus, Ohio, U. S. A.

American Cochin Club.—President, David A. Nichols, Monroe, Conn.; Secretary-Treasurer, Arthur R. Sharp, Taunton, Mass.

American Dorking Club.—President, Henry Hales, Ridgewood, N. J.; Secretary-Treasurer, Frank H. Prentice, North Grafton, Mass.

American Exhibition Game & Game Bantam Club.—President, T. A. Havemeyer, New York, N. Y.; Secretary-Treasurer, Chas. T. Cornman, Carlisle, Pa.

National Game & Game Bantam

Club.—President, W. E. Walden, Hartford, Mich.; Secretary, J. C. Pratt, 170 Adams st., Chicago, Ills.

American Houdan Club.—President, F. W. McKenzie, Concord, Mich.; Secretary-Treasurer, Thos. F. Rigg, Iowa Falls, Iowa.

American Langshan Club—President, Benj. S. Myers, Crawfordsville, Ind.; Secretary-Treasurer, Ralph McAdoo, Ashland, Ohio.

Southern Langshan Club.—President, Stephen T. Lea, M. D., Hodges, S. C.; Secretary-Treasurer, R. Reid Harding, Forest Depot, Va.

American Leghorn Club.—President, Ezra Cornell, Ithaca, N. Y.; Secretary-Treasurer, Geo. H. Burgott, Lawton's Station, N. Y.

American Buff Leghorn Club.—President, Chas. D. Pierce, Oakland, Cal.; Secretary-Treasurer, D. H. Foster, Gowanda, N. Y.

American White Wonder Club.—President, H. F. Corning, Hartford, Conn.; Secretary-Treasurer, Mrs. May French, New Haven, Vt.

Cornish Indian Game Club.—President, A. W. Bowman, Salem, Va.; Secretary-Treasurer, Adam Thompson, Amity, Mo.

New England Light Brahma Club.—President, Philander Williams, Taunton, Mass.; Secretary, G. W. Cromack, Stoneham, Mass.

Rhode Island Red Club.—President, Danl. P. Shove, Fall River, Mass.; Secretary-Treasurer, John Crowther, Fall River, Mass.

National Bantam Association.—President, Philander Williams, Taunton, Mass.; Secretary, E. Latham, Flatbush, L. I., N. Y.

American Cochin Bantam Club.—President, T. H. Adams, Pawtucket, R. I.; Secretary-Treasurer, Henry S. Ball, Shrewsbury, Mass.

National Bronze Turkey Club.—President, J. M. Rapp, La Moille, Ills.; Treasurer, W. A. Moon, Otterbein, Ind.; Secretary, S. H. Taylor, Sibley, Ills.

Water Fowl Club of America.—President, T. Farrar Rackham, East Orange, N. J.; Treasurer, A. J. Hallock, Speonk, L. I., N. Y.; Secretary, Theo. F. Jager, Lebanon, Pa.

National Pet Stock Association.—President, H. B. Savage, Belton, Texas; Secretary-Treasurer, J. I. Lawrence, Worcester, Mass.

American Black Minorca Club.—President, C. J. Andruss, Canandaigua, N. Y.; Secretary-Treasurer, Rowland Story, 187 Arlington Ave., Brooklyn, N. Y.

American White Minorca Club.—President, J. W. Lyder, Akron, Ohio; Treasurer, C. W. Jerome, Fabius, N. Y.; Secretary, William Sapper, Erie, Pa.

American Plymouth Rock Club.—President, W. S. Russell, Ottumwa, Iowa; Secretary-Treasurer, H. P. Schwab, Rochester, N. Y.

American Buff Plymouth Rock Club.—President, F. C. Shepherd, Toledo, Ohio; Secretary-Treasurer, W. C. Denny, Rochester, N. Y.

American White Plymouth Rock Club.—President, E. H. George, Groveland, Mass.; Secretary-Treasurer, Frank Heck, New Albany, Ind.

New England Barred and White Plymouth Rock Breeders' Association.—President, A. C. Hawkins, Lancaster, Mass.; Secretary-Treasurer, W. B. Atherton, Randolph, Mass.

Southern Barred Plymouth Rock Club.—President, Walter H. Bray, New Berne, N. C.; Secretary-Treasurer, James P. Kerr, Biltmore, N. C.

American Buff Wyandotte Club.—President, L. C. Piser, Shusan, N. Y.; Secretary-Treasurer, Wm. C. Klee, Rochester, N. Y.

National Wyandotte Club.—President, J. H. Drevenstedt, Johnstown, N. Y.; Secretary-Treasurer, C. S. Mattison, South Shaftsbury, Vt.

Eastern White Wyandotte Club.—President, Chas. F. A. Smith, Waltham, Mass.; Secretary-Treasurer, W. E. Mack, Woodstock, Vt.

———o———

MR. FISHEL'S WHITE ROCK.

To the Editor.—I have read, with much interest, the article on page 243 of May issue of The American Poultry Journal. My friend Riggs says a Mr. Eastman asks him if it is right for me to breed that grand White Plymouth Rock pullet which had a feather with a bar across it in her plumage. I will say to Mr. Eastman, I wish I had a hundred as fine as she is.

Judge Russell cut this bird as follows: One-half point on typical carriage; one point on comb; one point on color of neck; one-half point on tail; one-half point on breast; making her a 96½ point bird. As he went to place her back in the coop he carefully ran through her plumage three or four times and at the root of her tail he found a feather that had a bar across it. So he marked the card "Disqualified for black in tail."

Now I assure you it hurt me to have so fine a bird disqualified for showing she was a true-bred Plymouth Rock. She was the finest White Plymouth Rock in the show, and I lost first prize on pullet, as well as a silver cup by her being disqualified.

Disqualifying her did not lessen her in value to me, and I assure you I could have sold her at Chicago at a long price. One party remarked he would rather have her than all three of the pullets that won 1st, 2nd and 3rd prizes.

I assure Mr. Eastman if he could get a pen of such "disqualified" birds he would breed winners. Mr. Rigg does the bird an injustice when he says she had a black feather in plumage, for she did not; but, as above stated, had a feather that showed a bar on it. Friend Riggs says he took notice of the bird and that she is one of the grandest White Rocks ever produced. He is of the same opinion as other breeders; and if they ever get a better one I am anxious to see her.

As to "color disqualifications," I must say I think the clause is right; but a judge should use judgment and sense in applying it. This pullet, as well as one L. M. Williams showed, really should not have been disqualified for showing (one feather in each bird) Plymouth Rock feathers. A cut of one would have been very severe for it. If the color had been brown, red, or anything but a bar, it should have disqualified the bird.

Again, if the judges pass such defects without any cut, some breeders would soon show White Rocks with one-fourth barred plumage. I like to see a bird white, but I assure you I will not discard a good specimen for showing a bar on any feather in her plumage. I may soon send you a half tone of this grand pullet and also of the feather. U. R. FISHEL.

Anybody

can get good hatches from fertile eggs, providing they know how to go about it. In the first place, fertile eggs are the product of clean, healthy hens, such that are dusted frequently with Lambert's Death to Lice. My Barred Plymouth Rocks lay in it, roost over it, and some of my customers report a chicken from every egg in the sitting.

Any Hen

will set and do her duty well, if she is actually broody and you keep her free from vermin by frequent dustings with Lambert's Death to Lice. It is not necessary to remove her from the nest to do this. Sprinkle the powder among her feathers as she ruffles them at being approached. This insecticide is the one that never injures the eggs in any way or little chickens should they hatch in it.

Any Chickens

are liable to get head lice, no matter how clean you may keep them. These little blood suckers kill more young peepers than any other one thing in the business. This is why I have prepared a "Death to Lice Ointment," to kill the lice and save the chick. If your broods are drooping look on top of their heads and see what you see. A 10c box of Ointment will fix 100 chickens. A 25c box 300. We send both sizes post-paid upon receipt of price.

Other Remedies.

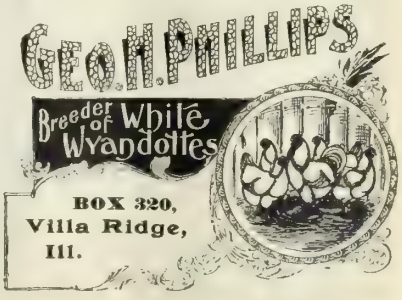
"Death to Lice Powder," for dusting fowls and sitters—5 oz. sample 10c, postpaid; 48 oz., 50c; 100 oz., $1.00, by express from here or nearest agency. "Special," for making a liquid louse or mite killer, 4 oz., enough for one quart, 10c; 16 oz. 40c, post-paid.

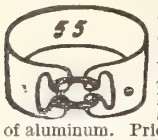
Agents wanted. Outfit $3. Books, circulars and instructions "How to Set a Hen," sent free.

D. J. LAMBERT,

Box 308. Apponaug, R. I.

The Leavenworth, Kas., Association will hold its third show January 29 to February 1, 1900, with C. H. Rhodes as judge. The score card will be used. Membership is increasing. A big show is anticipated by the plucky and determined fanciers of that great region. Address E. S. Singer, secretary, Leavenworth, Kas.





Peerless Leg Bands. Poultry Printing.

Circulars and sample leg band free. Get my prices on *up-to-date* printing "Peerless" Leg Bands *stay on* and *stay bright*. They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed.

B. F. Huntington, Platteville, Wis.

POULTRY SUPPLIES,

	50 lbs.	100 lb.
Beef Meal	$1.00	$1.80
Concentrated Meal	1.00	1.80
Ground Beef Scraps,	1.00	1.80
Granulated Bone	1.00	1.80
Fine Ground Raw Bone Meal	1.00	1.80
Mica Crystal Grit		.75
Crushed Oyster Shells		.65

Broiler Teeth (for small chicks). Equal parts bone, grit and shell—50 lbs. 60c; 100 lbs. $1.10.

C. A. DAMON, 2470 Monroe st., **Chicago.**

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3½x5⅝ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x5⅝ in., at same price. ☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash. ☞No less than 100 of any one kind printed.

No samples sent to any one whatever.

JEFFIE R. HUDSON, Hardin Springs, Ky.

(Mr. Hudson is perfectly reliable.—Editor.)

Eggs, Eggs, Eggs.

BANNER EGG FOOD and TONIC

is the greatest egg producer ever known.

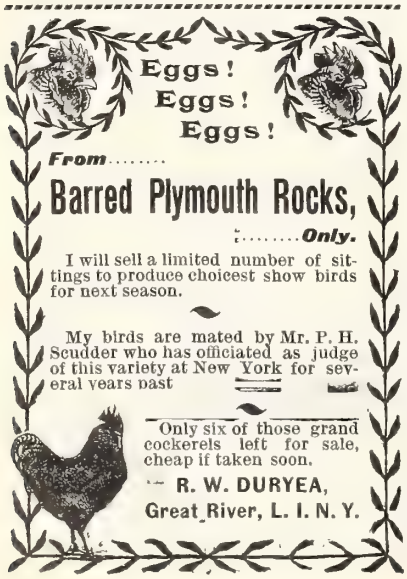
We Sold Over 5000 1-lb. Cans in 1898.

It also helps the hens through the moulting period and starts them laying early in the fall, when eggs are scare and prices are high. Price, 25c per 1-lb. can; 5 cans $1. Small sample mailed free. Our immense 1899 illustrated catalogue mailed free if you mention you saw this ad in American Poultry Journal.

Excelsior Wire & Poultry Supply Co.,

28 Vesey st., New York City.

W. V. RUSS, Prop.



INDIAN RUNNER DUCKS.

R. B. and C. H. Dayton, Remsenburg (L. I.), N. Y., have issued a copyrighted circular, including above cut, which describes the Indian Runner. We use the same by permission.

"For many years the Indian Runner Ducks have been extensively grown in England owing to their wonderful laying qualities as they produce eggs throughout the year, thereby making it

possible to hatch ducks for market the entire year in place of the few summer months now possible with the other varieties. Strong and erect, alert in every motion, the feathers light fawn and white in color, they are among the most attractive of their kind, with rich yellow flesh much more firm in texture than the Pekin, they are well suited for the table, averaging nine pounds per pair when dressed."

—o—

FEATHERS OF THE ROCK.

The feature of the Reliable Poultry Journal for May is a plate showing, by photography, the feathers of Barred Plymouth Rock bred by F. H. Shellabarger of West Liberty, Ia., a well known judge, and F. W. Richardson of Knoxdale, O. These specimens are selected by Theo. Hewes, who writes in criticism of T. F. McGrew and the work of the Standardmakers. The statements by Mr. Hewes are interesting. He declares: "We are today perhaps as far apart on this important variety as any in the Standard, regardless of its popularity and the number of experts who are working towards its improvement as a fancy fowl." This is in line with what we have so frequently said. The ideals, as well as the ideas, of strict fanciers are matters wholly within the realm of opinion and taste. This is purely the art side of breeding. There is but slight probability of unity on these points, since one of the characteristics of a fancier is tenacity of opinion. Mr. Hewes says: "We will never get together on the lines Mr. McGrew has set for us to follow. In fact, he is just about as far off as the man in the moon." The question in debate is regarding undercolor. Mr. Hewes says that the notion that "good undercolor injures a variety is radically wrong." Now, we offer the conjecture that Mr. McGrew does not mean to advocate the ignoring of undercolor, or that he differs with Mr. Hewes as to the value of that feature; but that he thinks surface more important. If the two can be secured, so much the better. That is to say, we incline to the belief that these gentlemen misunderstand each other's premises in the argument. The question is one of method in breeding—McGrew's way seeming impossible to Hewes. The western man resents the imputation that judges are neglecting shape for color. Mr. Hewes makes a tart declaration that the fault, if any exists, lies with the men who made the Standard. He claims "that a ten times better Standard was turned down by the New England Plymouth Rock Club at the last revision meeting than the one voted in by that meeting." Here is cause for a quiet smile. What does Mr. Hewes mean, when he says this was done "in the face of the fact that the revision committee made public the fact that the Plymouth Rock Standard was the best ever offered for this variety?" If judges go contrary to their own convictions how can "perfection" be reached? Mr. Hewes states that it was claimed "the objection was to the color description," and that "white and black were not the color requirements when the committee met at Boston." At the New York show it transpires that the blue and red ribbons went to birds having white and dark bars; while Mr. McGrew says: "The almost white color, so beautifully barred with the darker shade as to give the blue and white shading of a female, is the ideal color." Mr. Hewes is evidently trying to call out Mr. McGrew on a question of treatment by the committee. Mr. Hewes is positive that the Standard should say, though it does not, the last bar ought to be black. He cautions breeders against discarding good undercolor—not slaty, but barred well down; and he says that the Standard gives a description of back of females which, if bred to for three generations, will produce high tails on males and long backs on females. Therefore, you should discredit the Standard and "keep your

birds short and broad in the back, and just as deep through from point of breast bone to middle of back as possible. Do not discard from your breeding-pen a female that is slightly cushioned if you want to breed cockerels that will win prizes." This, let it be remembered, is not a criticism of Mr. Hewes's theory of mating, but simply a comment on his view of the Standard—the one authority, which bears the queer title of "Standard of Perfection." Here are differences of opinion not between breeders merely but judges who are to pass upon the show qualities of fancy birds, to determine their winnings. Is it impossible for Standardmakers and the interpreters of the Standard to agree? Until that unity is approximated, judgments are only artistic and tasteful views. But, perhaps, after all, this is the nearest to fixity that strict fanciers will ever come.

WHITE PLYMOUTH ROCK CLUB.

The White Plymouth Rock Club now has a membership of 313, and this number will be largely increased during the year. The fee is $1, which should be sent to the secretary-treasurer. The annual election, conducted by mail, resulted as follows: President, E. H. George, Groveland, Mass.; vice-president, W. S. Russell, Ottumwa, Ia.; secretary-treasurer, Frank Heck, New Albany, Ind.

Executive Committee: G. S. Howland, Cambridge, Mass.; W. J. B. Williams, Holland Patent, N. Y.; D. T. Heimlich, Jacksonville, Ill.; Lee F. Miller, Elizabethton, Tenn.; Theo. Hewes, Trenton, Mo.; C. G. Hinds, Alameda, Cal.

Advisory Board: Oscar F. Frost, Monmouth, Maine; H. C. Groomes, New Haven, Conn.; G. J. Lovell, Carlton West, Ontario, Can.; J. F. Crangle, Fisher's Island, N. Y.; W. W. Kulp, Pottstown, Pa.; H. A. Bridge, Columbus, O.; John A. Grover, Concord, Mich.; R. M. Gard, Frankfort, Ind.; John Hughes, Table Grove, Ill.; H. A. Kuhns, Atlanta, Ga.; R. A. Davis, Merit, Texas; Mrs. Nellie Hawks, Friend, Neb.; Henry A. Stearns, Canon City, Colo.; F. N. Uhrlaub, Hagerman, Idaho; J. L. Smith, Spokane, Wash.

The Carey Fancy Poultry Breeders' Club will hold its fourth show at Carey, Ohio, November 27 to December 1, 1899, with J. F. Marshall as judge. The officers are: S. B. Gillette, president; D. Cramer, vice-president; J. P. Newhard, treasurer; V. C. Lytle, secretary, Carey, O.

The Butler County Poultry and Pigeon Association will hold a show at Hamilton, Ohio, November 28 to December 4, 1899, with W. S. Russell as judge. W. W. Stevenson, Hamilton, O., secretary.

The Portland, Mich., Poultry Club will hold its second annual show December 26 to 30, 1899, with W. B. Shaner judge. This show will be directed by C. W. Browning, president, and F. C. Hathaway, secretary.

The Whiteside County Agricultural Society will hold its twenty-eighth annual fair, with a poultry department, September 5 to 8, at Morrison, Ill.

B G Smith, Elmira, N. Y., Rose and Single-comb White Leghorns and White Wyandottes.

Hartnest Strain of
Light Brahmas.
Orders Now Booked.
Stock in any quantity for delivery after November 1st. Bred from
Heavy Laying, Prize Winning Stock.
Winners at New York and Boston, '99.
Handsomest Catalogue ever issued by a poultry breeder for 10c.
HARTNEST POULTRY FARM,
Box 7, Framingham, Mass.
To avoid mistake, address exactly as above.

The Star Incubator Never Fails
nor disappoints. No guessing in its operation. Catalogue Free.

Simple, Accurate and no Moisture to be Supplied.
STAR INCUBATOR CO., Bound Brook, N. J.

Boston Show, '99.
White Wyandotte class LARGEST and BEST ever shown in the world (233 birds).
Duston Again Wins the Lion's Share
26 Regular and Special Prizes.
including 1st and 2d cock; 1st cockerel; 2d pullet; 3d hen, &c. Special for best cock and 4 hens. best 5 cockerels, best cockerel and 4 pullets. SILVER CUP for Largest and Best Display, and others.
EGGS—$3 per sitting: 4 sittings $10, or $15 per 100.
Those wanting only the best should write me.
ARTHUR G. DUSTON, Box 1020, Marlboro, Mass.

If You Want Very High Grade

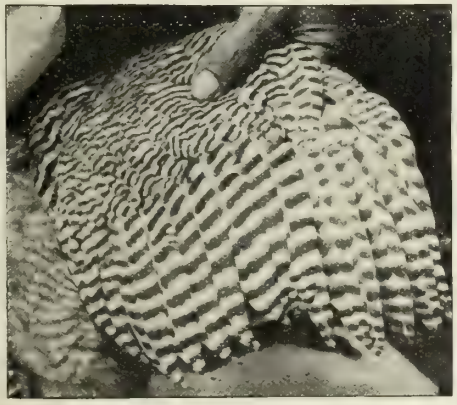



Photo of wing from my crack cockerel.
Barred Rocks
do not delay ordering sittings at earliest possible date, as the supply is quite limited. I make a specialty of quality and not numbers, and then every bird in my 10 breeding pens are bred right and are either tried breeders or very fine show specimens. I fully know that results will please as I now have young chicks three weeks old that are finer than anything raised in past years. Of course my prices are in harmony with fine quality of my strain. If you want cheap sittings and do not mean strictly business do not write. My prices are low for grand quality. Two pens
S-c. B. Minorcas,
the pick of 400 birds. I have yet for sale in stock, two B. Rock cockerels at **$50 each.** Prices, &c., by addressing me.
J. B. KIMENOUR, Belvidere, N. J.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

OUR EGGS ARE NOT THE DOLLAR KIND
Indian Games, per sett'g. $8.00
Buff Ply. Rocks per set'g. $2.00
Pekin Ducks, per setting. $1.50
Mica Crystal Grit, 100 lbs. $1; ton $7
Cshd OysterSh'ls, 100 lbs. $1; ton $6.50
CUT CLOVER 100 lbs, $1.25; 200 lbs, $2.00
Pure Beef & B, 100 lbs. $2.00
Cracker Cr'bs 100 lbs. $1.50
CLEVELAND POULTRY CO., Plattsburg, N. Y.

Cornish Indians, Exclusively
Five years a breeder of the best ckls, with score cards by Heimlich 91½-93, $2.50 to $5. Fggs in season. Write your wants.
H. S. MARKS, Box 540, Lanark, Ill.

PARTRIDGE COCHINS —EXCLUSIVELY— At Detroit Show, Jan. 3 to 8, '99, Sharp Butterfield judge, I won 1, 2, 3, 4 cocks, 93¾, 91½, 90½, 90¼; 1, 2, 4 hens, 93½, 92¾, 92¼; 1, 2, 3. 4 ckls., 94, 93, 93, 91½; 1, 2, 3, 4 pullets, 95, 94,¼ 94, 93¾; 1, 2 pens, 189 1-16, 187 1-16. Choice stock for sale.
JOHN C. STELLWAGEN, Wayne, Mich.

None Better.
Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.
D. T. HEIMLICH,
Jacksonville, Ill.

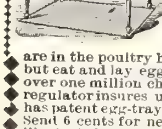
Light Brahmas —EXCLUSIVELY Mammoth Strain.
10 pens headed by HIGHEST SCORING BRAHMA at Shenandoah show, and his cockerels by Brown SCORING 92 to 95.
Circulars Free. Eggs, $1 to $3 per 13.
J. G. LEMBKE, Box 25, Griswold, Iowa.

EGGS $2 per SITTING,
—FROM—
Hill's Mammoth 15-lb. Light Brahmas.
Fed on Darling & Co.'s Poultry Foods.
Try a sitting and be convinced.
A. H. HILL, Wenona, Ill.

Buff P. Rocks.
That have been shown in hot company for the last five years and have every time b en WINNERS. These are the original Coin Gold Strain.
EGGS $2, $2.50 and $3 per sitting.
Address,
ISRAEL ROOT, Bloomington, Ill.

Good Hatch Guaranteed.
Or will send EGGS FREE to make up.
Best strains Light Brahmas, B. P. Rocks, S-c. Brown Leghorns. Eggs $1 50 per 15. Pekin Duck eggs $1 per 11. M. B. Turkey eggs $3 per 10. Belgian Hares for sa e. Catalogue free
GEO. O. ANDERSON, Homer, Ind.

Highland Poultry and Fruit Farm.
EGGS $2 per 13; $3 per 26, from the best stock in the West. Light Brahmas, Black Langshans, B. P. Rocks, White-crested Black Polish, S-c. Buff Leghorns. Fine illustrated circular for the asking. Stock for sale.
N. SCHWEINFURTH, Jackson, Mich.

The Hens Acknowledge It.
There is no time wasted in setting when a

SUCCESSFUL
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are in the poultry house. There's nothing to do but eat and lay eggs. This incubator has hatched over one million chicks during the past year. Its regulator insures uniformity of temperature. It has patent egg-tray adjuster; has fire-proof lamp. Send 6 cents for new 148-page catalogue. Finely illustrated; contains plans for poultry houses.
DES MOINES INCUBATOR CO.,
Box 1. Des Moines, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Section of Poultry House of W. T. Wittman, Allentown, Pa. See page 273.

COLOR AND SIZE OF PLYMOUTH ROCKS.

The above subjects are two quite important ones to breeders of this variety of fowls, and I hope, by "opening the ball," to hear from a number of leading breeders on the subjects set out in the heading.

If you breed and advertise stock for sale no doubt you are beginning to think that color is being worked to the limit. About every inquiry reads, "must be pure white," "chalk-white," "stay-white," "no brass or creamy color," etc. To me it looks as if the color question is reaching the fad column. This color question came up for discussion at the meeting of the White Plymouth Rock Club at Chicago, and it was the opinion of the breeders generally that a creamy undercolor should be admitted by the Standard, but a brassy surface color should be cut severely as at present—that a creamy undercolor and a brassy surface color are two entirely different things.

We are now at a place in the breeding of this variety where we must choose between a creamy undercolor, or a light greenish leg. Which do you want? There is no doubt but that chalk-white plumage can be obtained, but if the quills and undercolor are pure white the skin also must be white. The next time you see a "pure" white bird take a glance at its legs and I think you will find them a faded yellow, or greenish in color.

Editor Curtis in his report of the late New York show says: "The winners were indeed fine birds and went far to prove (as far as one season can go) that stay-white fowls can be bred with rich bay eyes and good yellow legs. We freely admit that there is a difference between good yellow legs and deep orange-yellow legs, but by all odds give us the White Rocks, Wyandottes and Leghorns with stay-white white plumage, even though the legs be a lighter yellow, rather than brassy birds with Pekin duck legs."

So, you see, here are the winners at this big Eastern show having an excuse offered for their off-colored legs. breeders who are writing for cockerels with chalk-white plumage and rich yellow legs will have to learn that they do not go together. I claim that the beauty of a white fowl is enhanced by rich yellow legs, and that a stay-white surface color and rich yellow legs can be obtained on the same fowl, if we admit a creamy undercolor. This rich undercolor does not show up, only in the nice yellow legs, where it is an advantage. In a white fowl the new, unripe feathers have a creamy tinge, and if a fowl is scored at that time it will receive color cuts it would not receive if scored a little later. This would be avoided if our Standard was amended to admit the creamy undercolor. I think, take it all in all, the good of the breed demands the creamy undercolor. What do you think?

I am also in favor of removing color disqualifications from the Standard. Why should a white, or black, fowl be disqualified for an off-colored feather when the Buff varieties can carry them? Let a colored feather receive a severe cut, but not disqualify. A fowl is worth just as much with a black feather in as it is with the black feather pulled out. Of course you don't pull them; some fellows do. I notice that some writers say to remove color disqualifications would be a step backward. This is all nonsense. Look at the Buff Plymouth Rocks. These fowls are gradually approaching solid buff in color, and yet they have no color disqualifications. I would like to see all breeds and varieties put on an equal footing.

The craze for large size seems to be going over the country now, too. Nearly every buyer wants them over Standard weight, especially males, and they do not care how much over. It's a wonder to me that these people don't breed Asiatics at once. I think I could sell a carload of 12 lb. Rock cockerels, if I had them they would be for sale, for I have no use for big, overgrown Plymouth Rocks. These large males are awkward, poor breeders, not nearly so valuable as a nice Standard weight bird. Then these 9 lb. hens are of little value as breeders, and poor layers. They take on fat easily, are lazy and will not give you the results that a Standard weight hen will. They look like a Cochin and are no better. I think the most valuable fowl, either male or female, is the one of Standard weight. I would like to hear from you on the color question.

A BREEDER.

The Wenona, Ill., Association will hold its second annual show December 18 to 22, 1899, with D. T. Heimlich as judge. The officers are: U. G. McAdams, president; Otis Montgomery, recording secretary; A. H. Hill, treasurer; C. A. Axline, secretary, Wenona, Ill.

The second show of the Sunburg, O., Poultry Association will be held November 21 to 24, 1899, with H. A. Bridge as judge. The secretary is Fred. Prosser, Sanbury, Ohio.

B. G. SMITH, Elmira, N. Y., White Leghorns, White Wyandottes.

500 Fine Breeders for Sale from our Yards.

Bronze Turkeys, Barred and White Plymouth Rocks, White and Silver Wyandottes, Brown and White Leghorns.

FROM 40 SELECTED BREEDING PENS.

Large, Vigorous, Finely Marked. Sure to Improve your Stock. 25 Years' Experience in Mating and Breeding.

Valuable ILLUSTRATED CIRCULAR Showing Mating's, Prices, Plans for Poultry Houses and Yards Sent Free. Jersey Cattle, of the highest breeding for sale. "MISS COLUMBIA." Weight 50 Lbs. at 9 mo.

Address F. M. MUNGER, De Kalb, Illinois.

ROSE COMB BROWN LEGHORNS

See my record for past three years at Chicago. Chicago 1899, 4 firsts, 1 second, 2 thirds, 1 fourth, 1 fifth. Chicago 1898, 4 firsts, 2 seconds, 1 third, 2 fifths. Chicago 1897, 1 first, 1 second, 1 third, 1 fifth. Some choice cockerels for sale from $2 to $5. Eggs $1.50 for 13; $2.50 for 26.

C. J. LANCASTER, Maywood Cook Co., Ill.

Silver Laced Wyandottes

and Buff Leghorns.

For May and June I will sell eggs from my best pens at $1 per 13. Wyandottes are 90 to 93½ hens with a 92½ cock, a fine bird with fine laced wing-bar. Buffs are pure buff pullets mated to Mark Hanna, sire of 1st prize ckl. at Omaha. Order QUICK.

A. A. BISBEE, Hartley, Iowa.

Poultry for Profit, Pleasure or Show.

I have them as big as they grow, all breeds, for all purposes; rare birds a specialty; Turkeys, Geese, Ducks, Guineas, Peafowls, Pheasants, Pigeons and pet stock; Flemish, Giant and Belgan Hares; Jersey Cattle, Berkshire and Yorkshire Swine, Shropshire Sheep. Satisfaction guaranteed. Prices reasonable. Eggs at all times very low. Mention JOURNAL.

W. A. HOYT, Whitewater, Wis.

WYANDOTTES AND SEBRIGHTS.

Keller breeds the finest Golden and White Wyandottes, Golden and Silver Sebrights in the land. Winners of 85 prizes at Madison Square Garden, N. Y., in five years and many specials, medals and cups. 37 prizes at Chicago, and thousands of prizes for our customers and ourselves in the best shows the world over during past 13 years. Eggs from choice matings $3 for 13; $5 for 26. Large circular free. Also Buff Laced Wyandottes.

IRA C. KELLER, Box 75, Prospect, Ohio.

The Bone Cutter Question.

is not: Is a bone cutter a good thing? (all agree that it is), but: Which is the best bone cutter to buy? Every user will answer: The Webster & Hannum cuts more bone and cuts it better than any other.

Only one hand required to operate. Self-feeding and regulating. We also make Clover Cutters and Stone Crusher.

Received only award at World's Fair, Chicago.

Booklet all about hens and how to make them lay, *free*. Send your address.

E. C. STEARNS & CO., Box 55, Syracuse, N. Y.

SHOW NOTES.

The Iowa City Poultry and Pet Stock Association is a new organization of Iowa's enterprising fanciers. Arrangements are now being made for their first annual exhibition, to be held at that place January 23 to 26, 1900. The officers are: John W. Sueppel, president; J. E. Palmer, vice-president; B. A. Wickham, secretary; J. F. Tanner, treasurer. F. H. Shellabarger will act as judge. The association counts among its members many of Iowa City's wide-awake and progressive business men and the show will be conducted on business principles and no expense spared to make it a success. Premium list will be ready for dstribution about July 1st, and a fine line of regular prizes and cash specials will be offered. Breeders may have their names placed on mailing list by dropping the secretary a card.

The North Missouri Association will hold its third show at Macon, Mo., December 4 to 8, 1899, with W. S. Russell as judge, under card system. For two years past it has made an honorable record and is now amply prepared to give fine premiums. The president is J. A. Ayres; the secretary is E. M. Durham, La Plata, Mo.

The Mt. Pulaski Feathered Stock Association will hold its annual exhibition at Mt. Pulaski, Ill., December 19 to 24, 1899, with Theo. Hewes as judge. The officers are: H. J. Mayer, president; H. B. Capps, vice-president; Z. K. Wood, treasurer; W. J. Lincoln, secretary, Mt. Pulaski, Ill.

The Illinois Valley Poultry Association will hold "the Henry Show" January 30 to February 2, 1900, with C. D. Gapen superintendent and F. H. Shellabarger judge. The officers are: W. G. Griffith, president; W. L. Mills, treasurer, and James A. McNabb, Mt. Palatine, Ill., secretary.

The Aurora, Ill., Association has changed the date of its show, because of the Chicago show date, and will exhibit December 26 to 29, 1899, with D. T. Heimlich to judge the fowls and J. M. Reil, the pigeons. J. F. Harral is president and Herman Moser secretary, both of Aurora, Ill.

The Portland, Mich., Poultry Club will hold its second annual show at Portland December 26 to 30, 1899, with A. B. Shaner as judge. C. W. Browning, president; F. C. Hathaway, secretary.

J. H. Tingley, Rahway, N. J., makes a combination nest-egg and lice killer that is light and reliable. It will not break eggs in process of incubation nor in the laying-nest. Send for his circulars, mentioning A. P. J.

—o—

Whitewash is permissible in the poultry houses, if not in the political office.

—o—

Even Leghorns will take on too much fat if not permitted active exercise.

B. G. Smith, Elmira, N. Y., White Wyandottes, White Leghorns—Rose and Single-comb.

Reliable Breeders' Directory

OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.
C. H. C. Anderson, Carlinville, Ill.
John H. Ryan, L. B. 195 Monticello, Ill.
A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minorcas.
H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.
C. H. C. Anderson, Carlinville, Ill.
E. E. Paris, Washington, Ill.
Chas. L. Gierhart, Tiffin, O.
(E. B. Thompson strain.)

R-c. B. Leghorns.
W. C. Jackson, So. Bend, Ind. 2-1

White Wonders.
J. M. Culver, Peterboro, N. H.

B. B. R. Games.
J. C. Pratt, Agent.
Residence and Yards, La Grange, Ill.
Office, U. S. Sub Treasury, Chicago, Ill.

Houdans.
John M. Wise, Freeport, Ill. 4-99-1yr

Japanese Silky.
Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.
S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.
S. D. Mandeville, Sidney, Ill.

Indian Runner Ducks.
Ber'd McCaffrey, Steubenville, O. 9-98-1y

WHITE PLYMOUTH ROCKS,

Embden Geese.

Fine cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.

TILLMAN EASLEY,
Box E, Newmarket, Ind.

BROWN LEGHORNS,

Single-comb. My strain has always been **WINNERS** wherever exhibited. I think my matings this season are exceptionally fine.

EGGS ONLY $2 PER 13.

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Do You Want the Best?

Can spare a few sittings of eggs from two choice pens of

Barred Plymouth Rocks,

containing all our prize winners. Have shown pullets scoring to 93½ and cockerels to 93. Eggs $2.50 per 13; $5 per 30. A good hatch guaranteed.

MYER BROS., Malden, Ill.

S-c. BR. LEGHORNS,

S-c. BL. MINORCAS.

I won 7 firsts, 2 seconds, 2 thirds at Cleveland and Washington C. H., O. Eggs $1.50 per sitting.

W. H. Wiebke, 266 Beaver ave, Ft. Wayne, Ind

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Fine stock always for sale. Eggs $1.50 per 15; $2.75 per 30. Michigan Vice-President American Houdan Club.

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We breed Duston and Knapp Wyandottes and Graves, Grist and Rossiter strains of steel tested Games. Eggs during June and July $1 per 13. Eggs shipped from Chicago. A few head of this year's breeders for sale.

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BARRED PLYMOUTH ROCKS, Only, { **WRITE ME YOUR WANTS.** }

A few choice cockerels for sale. Also eggs in season, $2 per 13.

Eggs From "Ringlet" Bar. P. Rocks.

Good size and shape, large, yellow legs and low, evenly serrated combs, $1 per 13. Also from W. P. Rocks and S-c. Black Minorcas, $1.25 and $1.50 per 13.

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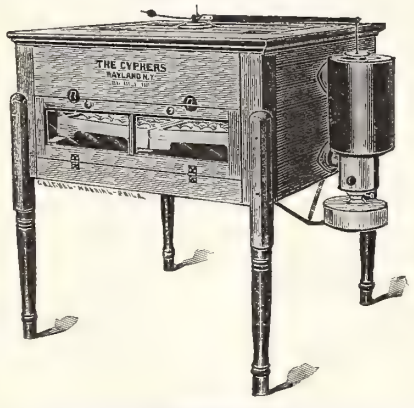

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After June 1st., eggs from all yards **One Dollar per 15** from our best prize stock and packed with same care that early orders received at full price.

OUR BREEDS: Barred, White and Buff Pl. Rocks, Lt. Brahmas, Langshans, Buff Cochins, White Wyandottes, Buff and Brown Leghorns, Pekin Ducks. Fifteen years a successful breeder.

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Nissly's Poultry Annual and catalogue of **"Everything for the Poultry Yard"** is a 100-page book, illustrated and full of information, valuable chapters on feed and care of poultry, treatment of diseases, etc., and tells all about "Michigan Poultry Farm" its stock, etc. Don't miss it. **Sent for 4c. in stamps.** Address,

GEO. J. NISSLY,
11 Adrian St., Saline, Mich.

A Great Reduction.

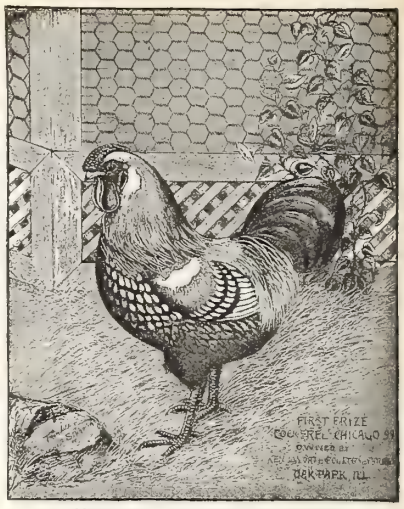
20 EGGS $1, from my best Barred and White Plymouth Rocks, Single-comb White and Brown Leghorns. Here is your chance—15 eggs for $1 from my prize yards of Light Brahmas. Their record can't be beat. Prize Buff P. Rocks and Buff Leghorns, $1.25 per 15; Rose-comb Blk. Minorcas, $1 per 15; Imperial Pekin Ducks $1 per 11. Send me a trial order. My stock will please all. Circular free.

C. B. HUFF, Lock Box 73, Delaware, N. J.

MUST SELL

All our grand breeding stock in Buff Leghorns and Buff Rocks. Many winners in hot competition, with scores from 90 to 93½. 3 Buff Rock cocks, 92-93½; 10 hens and pullets; 2 Leghorn cocks, 90-91; 20 hens and pullets. *Must have room.* You can't afford to miss such a bargain Write for description and low prices.

THOS. H. MILLS, Box 77, Port Huron, Mich.



SILVER WYANDOTTE COCKEREL.
Owned by Kenilworth Poultry Yards, Oak Park, Ill.

MOISTURE IN INCUBATORS.

An English writer, known under the pen-name of "Stephen Beale," says, in The Country Gentleman, on the subject of moisture:

"As a rule, near the sea or mountains the air contains a considerable amount of moisture, except during the height of summer, and when this is the case the work is greatly simplified. Probably nature adapts herself to the local circumstances; but there is yet much to be learned on this point. I believe that the harm done by excessive dryness is not that eggs so much require moisture supplied to them as tnat the air shall not be too dry; otherwise it will absorb an undue amount of the moisture contained therein, which tends to weaken the embryo and to toughen the shell and membranes. Should the earth used for the nest-boxes be very dry, it will draw from the eggs the moisture found there, with the result mentioned, and the same is true of the atmosphere. Thus it is essential that both the air and the surroundings of the eggs, while not actually wet, shall contain sufficient moisture to avoid any trouble in this way.

"The actual hatching of the embryo within the shell takes place by means of heat supplied by the hen, or in the case of an incubator by the machine, and this must be regular and constant. At the same time there should be daily a cooling of the eggs, which takes place naturally when the hen is off feeding. This cooling of the eggs may be much more prolonged than is usually thought desirable, and probably more harm is done by making it too short than too long. During ordinary weather, or if the eggs are in a temperate atmosphere, no harm will result if they are cooled for an hour a day, or even more; in fact, good will result from it. When dealing with hens we can leave this matter to a certain extent to their own

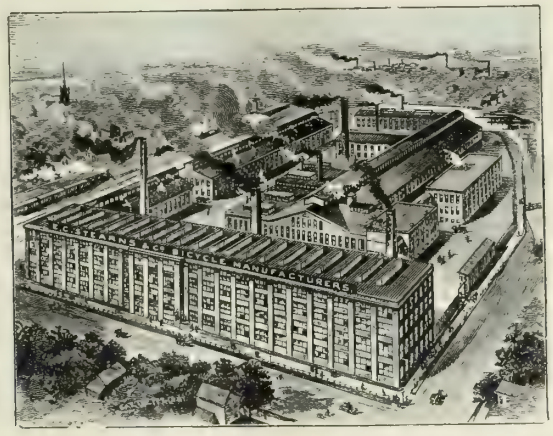
HIGLEY'S LIGHT BRAHMAS

Winners of more prizes at the great Chicago show in 1897-98-99, than any other strain. Eggs, $4.00 per 13, $7.00 per 26, $9.00 per 39. Eight grand matings. Send for catalogue. WILLOWHURST BRAHMA YARDS, CEDAR RAPIDS, IOWA.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

instincts, though not entirely, for some fussy sitters would never come off at all if they could get food without doing so. The old saying that 'a close sitter is a bad sitter' is undoubtedly true. Some time ago a series of observations were made by the French government which clearly proved that it was essential for eggs to be cooled daily in order that the chickens when hatched should be strong and hardy; and this is confirmed by previous experience. I have hatched chickens in incubators from eggs which had never been cooled at all, but they were weakly and did not live very long. Only recently I have proved that even when a hen remains off her eggs for an hour, or even longer, there is no delay in the time of hatching, while the chickens came out much more vigorous than when the cooling had been very brief.

"The theory is that when the egg is being cooled, the air drawn into it is greater in quantity, gives vigor to the embryo, supplying it with a greater amount of oxygen, and strengthening the various parts and functions of the body. Of course, we must not go to the other extreme. If the atmosphere were cold, say about 40 degrees, then the period of cooling should be curtailed, as there would be danger of chilling; but it is a mistake to set hens under conditions of this kind. In the case of wild birds, during the time of hatching, they are frequently off for hours together; and although it would be risky to allow the same with domesticated fowls, still the tendency has been rather to minimize unduly the period of cooling."



Factory of E. C. Stearns & Co., Syracuse, N. Y., Manufacturers of the Webster & Hannum Bone Cutter.

MILWAUKEE POULTRY FANCIERS' ASSOCIATION.

The Milwaukee Poultry Fanciers' Association will hold their first annual show at the Milwaukee Industrial Exposition Building December 18th to 25th, and from present indications it will probably rival any of the large western shows.

The association has a large number of specials and will secure the best and up-to-date judging talent in both pigeons and poultry in America.

The association will offer grand inducements for any of the specialty clubs to compete for if they will hold their annual meeting at the show. At present outlook the annual meeting of the American Magpie Club will be held at this show. R. K. CURTIS.

DATES CLAIMED.

(We are indebted to the American Fancier, Johnstown, N. Y., published weekly, for the following list of show dates.)

1899.

Aug. 14-19—Mt. Gretna, Pa. Mt. Gretna Live Stock and Poultry Show. M. B. Blauch, Sec'y.

Aug. 29-Sept. 1—Cortland, N. Y. Cortland County Agricultural Society. W. J. Greenman, Sec'y. F. B. Zimmer, Judge.

Sept. 5-8—Cambridge, N. Y. Cambridge Valley Agricultural Society and Stock Breeders' Ass'n. John L. Pratt, Jr., Sec'y.

Sept. 12-15—Poughkeepsie, N. Y. Dutchess County Agricultural Society. T. C. Van Wyck, Sup't Poultry Department.

Sept. 19-21—Dryden, N. Y. Dryden Agricultural Society. J. B. Wilson, Sec'y.

Sept. ———Hanover, Pa. Hanover Agricultural Society. M. O. Smith, Sec'y.

Oct. 10-13—Hagerstown, Md. The great Hagerstown Fair. John L. Cost, Supt. Poultry Department.

Oct. 17-20—Frederick, Md. Frederick County Agricultural Society. Harry C. Keefer, Sec'y. Geo. O. Brown, Judge.

Nov. 27-Dec. 1—Carey, Ohio. Carey Fancy Poultry Breeders' Club. F. J. Marshall, Judge.

Nov. 28-Dec. 2—Rock Island, Ill. Western Illinois Poultry and Pet Stock Association. C. F. Krammerer, Sec'y.

Nov. 28-Dec. 2—Philadelphia, Pa. Keystone Poultry, Pigeon and Pet Stock Club. Secretary, J. Emlen Smith.

Nov. 28-Dec. 4—Hamilton, Ohio. Butler County Poultry, Pigeon and Pet Stock Ass'n. W. W. Stevenson, Sec'y. W. S. Russell, Judge.

Dec. 1-5—Shelby, N. C. Shelby Poultry Ass'n. Sec'y-Treas., R. L. Simmons, Shelby, N. C.

Dec. 4-8—Elmira, N. Y. Elmira Poultry Ass'n. Judd H. Johnson, Sec'y.

Dec. 4-9—Roachdale, Ind. Indiana Fanciers' Ass'n. A. M. Owen' Sec'y. B. N. Pierce, Judge.

Dec. 4-9—Miamisburg, Ohio. Miami Poultry Ass'n. S. B. Groby, Sec'y. H. A. Bridge, Judge.

Dec. 4-9—Lansing, Mich. Central Michigan Poultry and Pet Stock Ass'n. James C. Welch, Sec'y. Sharp Butterfield, Judge.

Dec. 5-7—Torrington, Conn. F. M. Leach, Sec'y.

Dec. 5-8—Westerly, R. I. Rhode Island Poultry Ass'n. H. S. Babcock, Sec'y.

Dec. 5-8—Clinton, Mass. Clinton Poultry Ass'n. E. G. Burdett, Sec'y.

Dec. 6-9—Johnstown, N. Y. Adirondack Poultry and Pet Stock Club. H. J. Quilhot, Sec'y.

Dec. 6-9—Petoskey, Mich. Northern Michigan Poultry Ass'n. A. M. Coburn, Sec'y. Sharp Butterfield, Judge.

Dec. 11-15—Crete, Neb. Blue Valley Poultry Ass'n. Theo. Hewes, Judge.

Dec. 11-16—Indianapolis, Ind. Indiana S. P. Ass'n. J. C. Tarkington, Sec'y. B. N. Pierce, Judge.

Dec. 11-16—Bloomington, Ill. Bloomington Poultry Ass'n. F. C. Luettig, Sec'y. W. S. Russell, Judge.

Dec. 11-16—Worcester, Mass. Worcester Fur and Feather Club. J. I. Lawrence, Sec'y.

Dec. 12-14—Milford, Mass. Milford Poultry Ass'n. Secretary, W. H. Pyne.

Dec. 12-15—Dallas, Tex. Southwestern Poultry, Pigeon and Pet Stock Ass'n. H. M. Skelton, Sec'y.

Dec. 12-15—Battle Creek, Mich. Michigan Fanciers' Ass'n. G. W. Hamm, Sec'y. James A. Tucker, Judge.

Dec. 12-16—Crestline, O. Crestline Fanciers' Ass'n. E. R. Warden, Sec'y. I. K. Felch, Judge.

Dec. 14-16—Owosso, Mich. Owosso Poultry Ass'n. C. P. Reynolds, Sec'y. James A. Tucker, Judge.

Dec. 18-22—Jackson, Mich. Jackson Poultry Fanciers' Ass'n. W. H. Eaton, Sec'y. I. K. Felch, Judge.

Dec. 18-22—Belding, Mich. Silk City Poultry Ass'n. Leonard Smith, Sec'y. W. S. Russell, Judge.

Dec. 18-23—Memphis, Tenn. Mississippi Valley Poultry Ass'n. G. A. Seyforth, Sec'y. B. N. Pierce and D. M. Owen, Judges.

Dec. 18-23—Tipton, Ind. Tipton Poultry and Pet Stock Ass'n. J. M. Hoover, Sec'y. S. B. Lane, Judge.

Dec. 19-22—Paxton, Ill. Central Eastern Illinois Poultry Ass'n. E. B. Pitney, Sec'y.

Dec. 19-23—St. Clairsville, O. Belmont County Fanciers' Ass'n. J. W. Riley, Sec'y. Ira C. Keller, Judge.

Dec. 19-23—Wayne, Mich. Wayne Poultry Ass'n. Geo. W. Brewer, Sec'y. Jas. A. Tucker, Judge.

Dec. 19-26—Meadville, Pa. Meadville Fanciers' Club. Secretary, H. L. Lamb.

Dec. 22-26—Washington, N. J. Fanciers' Ass'n of New Jersey. Chas. Nixon, Sec'y.

Dec. 26-29—Aurora, Ill. Aurora Poultry Ass'n. D. T. Heimlich, Judge.

Dec. 26-30—Guthrie, Okla. Oklahoma State Poultry Ass'n. L. F. Laverty, Sec'y.

Dec. 26-30—Keota, Ia. Iowa State Poultry Ass'n. W. L. Holmes, Sec'y. F. W. Hitchcock and W. S. Russell, Judges.

Dec. 26-30—Wooster, O. Central Ohio Poultry, Pigeon and Pet Stock Ass'n. Chas. F. Palmer, Sec'y. Chas. McClave, Judge.

Dec. 28-31—Danville, Ill. Vermilion County Poultry Ass'n. A. L. Rice, Sec'y. B. N. Pierce, Judge.

Dec. 28-Jan. 1—Canton, O. Canton Poultry Ass'n. U. S. Danner, Sec'y.

1900.

Jan. 2-5—Akron, O. Akron Poultry and Pet Stock Club. J. Asa Palmer, Cor. Sec'y. J. Y. Bicknell, Judge.

Jan. 3-5—Enid, Okla.

Jan. 4-10—Erie, Pa. N. W. Pa. P. P. and P. S. Ass'n. A. E. Blethen, Sec'y.

Jan. 5-11—Rochester, N. Y. Rochester Fanciers' Club. W. O. Ingle, Sec'y.

Jan. 8-12—Detroit, Mich. Michigan State Poultry and Pigeon Ass'n. Poultry Secretary, John A. Grover, Concord. Pigeon Secretary, Geo. J. Asman, Detroit. Poultry Judges, Sharp Butterfield, H. A. Bridge and Jas. A. Tucker. Pigeon Judges, A. W. McClure, L. W. Schimmel.

Jan. 8-13—New Albany, Ind. Southern Indiana Poultry and Pet Stock Ass'n. Frank Heck, Sec'y. B. N. Pierce, Judge.

Jan. 22-27—Chicago, Ill. National Fanciers' Ass'n. F. L. Kimmey, Morgan Park, Ill., Sec'y.

Jan. 15-19—Belvidere, Ill. Northern Illinois Poultry Ass'n. Bert R. Lucas, Sec'y. F. B. Zimmer and Ben S. Meyers, Judges.

Jan. 15-20—Boston, Mass. Boston Poultry and Pigeon Ass'n. A. R. Sharp, Sec'y.

Jan. 16-20—Cincinnati, O. Cincinnati Poultry Ass'n. A. E. Brooks, Sec'y. B. N. Pierce, Judge.

Jan. 17-20—Blackwell, Okla.

Jan. 17-24—Kokomo, Ind. N. Central Indiana Poultry Ass'n. E. E. Sanders, Sec'y. B. N. Pierce, Judge.

Jan. 21-23—Fort Worth, Tex. Fort Worth Poultry and Pet Stock Ass'n. J. E. Randall, Sec'y.

Jan. 22-27—Louisville, Ky. Kentucky S. P. Ass'n. Frank G. Hogan, Sec'y. H. A. Bridge and Chas. McClave, Judges.

Ferris & Zink, of New Albany, Ind., have disposed of their Barred Plymouth Rock stock and it is now their intention to make a specialty of Rose Comb Brown Leghorns during the future.

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BUFF WYANDOTTES — Eggs from strong, sturdy, business birds, $2 per 13. Dr. N. Willard Sanborn, Wellesley Hills, Mass. 5-3

AMERICAN DOMINIQUES—The best all around fowl in the world. Over 35 years a breeder of this breed, so have the best there is. Eggs $1.50; two sittings $2. L. M. Jones, Lairdsville, N. Y. 5-3

LIGHT BRAHMAS, S-c. Buff Leghorns and S-c. Black Minorcas. Stock guaranteed pure. Eggs $1.50 per 15. A. W. Foster, New Douglas, Madison Co., Ill. 5-3

MY S. L. WYANDOTTES and R-c. B. Leghorns made almost a clean sweep at the shows this winter. Eggs, $1.50 per 13. Circular free. John Hoelzer, Dundee, Ohio. 4-3

GOLDEN WYANDOTTES—Few cockerels and pullets from high scoring stock for sale. Eggs from same stock, $1.50 per 13. L. Humeau, Mansfield, Ill. 4-3

BUFF P. ROCKS and Buff Leghorn eggs for hatching, $1 for 15 eggs. Buff P. Rocks for sale at all times. F. E. Hightree, Nutwood, Ohio. 4-3

LIGHT BRAHMAS, Exclusively. Felch strain. Farm raised. Eggs through the season, $1.50 per 15; $2.50 per 30. After June 1st, $1 per 15. Mrs. E. M. Haskell, Exeter, Ill. 4-3

LAKE VIEW Summer Resort, Peach Orchards and Poultry Yards.—Thoroughbred S-c. White Leghorns and B. P. Rocks. Eggs 5c each. J. W. Gamble, Catawba Island, Ohio. 4-3

HENNESSY BROS., Strawberry Point, Iowa, breeders of Cornish Indian Games and Pekin Ducks. Game eggs, $1.50 per 13; ducks, $1 per 11. One Bronze tom for sale, score 95½, 4-3

WM. V. SCHLOSSER, Beloit, Wis.—Eggs for sale from S-c. White Minorcas, $1.25 per 13, or $2 per 26. Scott's strain, Canada. Wm. V. Schlosser, 1028 Park avenue, Beloit, Wis. 4-3

BUFF PLYMOUTH ROCKS—Winners of 10 prizes at the Kentucky State Show, 1899. Forsyth, Wilson and Hamm strains. Eggs, $1.50 for 13; $3 for 30. H. A. DeMand, Oxford, Ohio. 4-3

BARRED PLYMOUTH ROCKS — Exclusively. Eggs for hatching from selected matings, $1 per sitting. Large, healthy stock of the best strains. Order at once. C. H. Dewey, Langham, Grundy county, Ill. 4-3

WHITE WYANDOTTES that stay white. One sitting (13) eggs free with each tenth order. Pen scores 90½ to 94. 15 eggs $2; 45, $5. J. H. Eby, North Robinson, Ohio. 4-3

WHITE PLYMOUTH ROCKS — Hawkins and Empire strains; Black Minorcas, Northups strain; White Leghorns, Whiting and Knapp Bros.; Pekin Ducks, Newman and Rankin. Eggs, $1.50 per 13. Geo. Heuneman, Keokuk, Iowa. 4-3

LIGHT BRAHMAS, White Plymouth Rocks. Winners at Indianapolis, Chicago, Logansport. Two pens each. Eggs, $2 for 13; English Buffs, $3. Stock for sale. Write. Specialty Breeders, Middletown, Indiana. Lock box 306. 4-3

WHITE WYANDOTTES, Exclusively. Hawkins' and Hunter's strain. Bred for beauty and utility. Eggs, $1.50 per 13; $2.50 per 26. Satisfaction guaranteed. Wm. Campbell, 3034 Emerald avenue, Chicago. 4-3

PHEASANTS—English Ring-neck. Eggs for hatching, $2.50 per 15. Also Buff Cochin eggs, $1 yer sitting, from heavy feathered, rich colored birds. A. B. Wingert, North Hampton, Ohio. 4-3

CHINESE PHEASANTS—Eggs $3 per 15; $5 per 30. R-c. B. Leghorns, Barred Plymouth Rocks and Buff Cochins—eggs $1.50 per 13. Stock unsurpassed. Mrs. Angie Dean, Beaver Dam, Wis. Mention A. P. J. 5-3

RIVERSIDE POULTRY YARDS, Vernon, Conn. — White Wyandottes, Barred Plymouth Rocks, S-c. White Leghorns, R-c. Brown Leghorns, Pekin Ducks. Eggs, $1 per 13; $4 per 100. 4-3

THEODORE HEWKE, May's Landing, N. J.—White Wyandottes, exclusively. Prize-winning cockerels and pullets for sale. Eggs $2 per sitting; $5 per hundred. Pekin Ducks and eggs for sale. Write. 5-3

HEAVY WEIGHT Belgian Hares from imported stock. Fine specimens always for sale. Our prices range according to age, from $1 to $3 per pair. Smith & Friend, Blanchester, O. 5-3

BUFF BRAHMAS—Exclusively. Eggs for sale. Satisfaction guaranteed, Write for price list and description. L. M. Frederick, Benjamin, Pa. 5-3

W. WYANDOTTES, R-c. Brown Leghorns. Eggs from choice matings $1.50 per 15, straight. Correspondence a pleasure. Circular free. Ed Hippert, Box C. 491, Kewanee, Ill. 2-99-1yr

O. WISLER, 584 Evergreen ave., Chicago, Ill.—Breeder of high class Silver and Golden Spangled Hamburgs. Eggs from three Grand yards at $2 per sitting. For reply enclose stamp. 2-5

ROYAL RED SEAL LOFTS, F. E. Morganthaler, Prop., Station C, Cleveland, Ohio, —breeders importer and flyer of the speediest strains of Homing Pigeons exclusively. Send for my annual catalogue. 1-6

DELAVAN PRAIRIE Poultry Farm—Up-to-date in all the leading breeds of land and water fowls. Bantams a specialty. Eggs, 75c to $1.50 per sitting. Geo. H. Wright, Delavan, Wis. 4-3

PIT GAMES—Mich. Warriors, Muff, Menton Dominiques, Irish Shuffles, War Horses. Eggs, $2.50 per 13. R. W. Luck, 503 Marion ave., Indianapolis, Ind. 4-3

L. A. LYDICK'S Partridge Cochin won 1st cockerel, 2d Pen, 4th cock, 5th hen, at Toledo, Ohio, show; Butterfield, judge. Eggs, $2 for 15. South Bend, Ind. Box 576. 4-3

WHITE ROCKS, Only — Farm raised. Bred for winter layers. Breeders selected each winter from best winter layers. Eggs, $1 per 13; Incubator eggs, $4 per 100. J. L. Jefferson, Des Plaines, Ill. 4-3

PEACH HILL POULTRY YARDS—Eggs from eight pure breeds of poultry, $1.50 per sitting: Pekin Duck eggs, $1; Belgian Hares for sale. F. W. Wright, box D, Berlin Heights, O. 4-3

WHITE WYANDOTTES, Exclusively. A fine lot of cockerels for sale. Eggs from extra fine matings, $1 per sitting. A. H. Arnold, East Townsend, Ohio. 4-3

DR. JEWETT, Olentangy, Ohio — Eggs from high scoring Barred and White Rocks, Black Spanish, and Buff Leghorns. Scores 90 to 93½. Ten chicks guaranteed. $1.25 per 15; $2 per 30. 4-3

FAIRVIEW POULTRY YARDS, C. A. Sparks, proprietor, North Topeka, Kans., breeder of B. P. Rocks exclusively. Eggs from pen 1, $1.50; pen 2, $1 per sitting of 15. Leffel strain. 4 5

UP-TO-DATE, up-to-weight farm raised Buff Rocks. Five years a breeder. The most noted strains. Eggs $2 per sitting. Inquiries promptly answered. Mrs. Jonathan Solt, Columbus, Ind. 4-3

HARVEY C. WOOD, Mt. Pulaski, Ill.—Light Brahmas exclusively. Eggs for sale, $2 for 13, from pen headed by 94¼ point cockerel mated to females scoring 92 to 93¾.; Felch and Giant strain. 4-3

THIRTY-FOUR Prizes at the Fall River Show. Sixteen of my Houdans scored an average of 91½ points each and won all the prizes. Rhode I. Reds, Light Brahmas, Barred P. Rocks Eggs $2.00 per 13—$5.00 for 40. Pekin Ducks, eggs $1.00 for 11. A few good birds for sale. Send for circular. Daniel P. Shove, Box 666, Fall River, Mass.
President Rhode I. Red Club 3-4

CRESCENT POULTRY FARM. Catalogue free, with valuable information on artificial incubation by an expert; all about feeding and rearing ducks and chicks. Incubator Eggs a Specialty. Pekin Ducks, Barred Rocks, White Wyandottes, White and Brown Leghorns. Stock all sold, but lots of eggs for sale from high scoring matings. Frank Foy, Des Moines, Ia., Box 1001-b 4-3

GEORGE NORTHUP, Raceville, N. Y., wishes to sell 1,000 Rose and Single-comb Minorcas. He breeds more prize winners than any 4 other breeders. 28-page catalogue (size Journal) free. 1-6

S-C. BUFF and Brown Leghorn eggs for hatching. Won all firsts at Mansfield, all firsts at Ashland shows, except pullet. Breeding pens score 92½ to 95, McClave judge. Brown eggs $1.50 for 15; Buff, $2 for 15. Satisfaction guaranteed. J. F. McConnell, Ashland, Ohio. 5-3

W. P. ROCKS. W. Wyandottes, B. Minorcas, L. Brahmas. America's four best strains. Bred on scientific principles. Eggs $1 per sitting. The Burlington High st. Poultry Yards, Burlington, Wis. 5-3

GOLDEN & S. L. Wyandottes, scoring from 90 to 94½, America's best strains. All of my eggs $2 per 13 after April 25th. A. C. Smith, Chenoa, Ill. 5-3

GOLDEN WYANDOTTES—Exclusively Only the best stock obtainable in pen, scored 91 to 94 by Hewes. Eggs $2 per 15. O. E. Reade, Tampico, Ill. 5-3

GOLDEN WYANDOTTES and Buff Leghorns. Four fine breeding yards, mated to produce best results. Birds scoring from 90 to 95½ points. Eggs $1.50 per sitting. C. F. Blackman & Son, Painesville, Ohio. 5-2

BARRED PLYMOUTH ROCKS and Pekin Ducks. Fine stock of each for sale at $1 per head. Eggs, 13 for $1; 30 for $2. T. R. Harper, Box R, Rockton, Ill. 5-3

H. W. HOUSE, South Bend, Ind., has for sale Bronze Turkey eggs, $2.75 per 11; Toulouse Geese, $3.00 per 9; Rouen Ducks, $1.00 per 11; Black Langshans, $1.00 per 15; Dark Brahmas, $1.00 per 13; Silver Wyandottes, $1.00 per 15; Pit Games. Above stock scores 90 to 97½. 5-3

ARNOLD WHITE WYANDOTTE and Wyckoff White Leghorn eggs, $2 for 15; $3.50 for 30; $10 per 100. Choice litter pedigreed Scotch Collie pups on sale now. M E. Servoss, Edison, Cook Co., Ill. 5-3

GREENMAN'S BANTAM YARDS, Cortland, N. Y. — Fifteen ribbons on fifteen entries at New York, 1899. A few more brothers and sisters to Madison Square winners for sale in Golden and Silver Duck-wing and Black Breasted Reds. Write for prices. 4.3

WHITE-FACED BLACK SPANISH and W. P. Rock eggs at $1.50 per 15. Al o a few good W. P Rock cockerels at $1.50 each. E. W. Van Fleet, Galena, O. 4-3

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BUFF PLYMOUTH ROCKS—Exclusively. Eggs $1.50 per 15; 4 sittings $5. Stock for sale. If you are looking for golden buff color throughout, including undercolor, write to Jacob F. Wagner, 510 South Michigan st., South Bend. Ind. 4-3

MRS. H. O. MORRIS, Tiskilwa, Ill., having six year's experience with Barred Rocks (Tibbetts' strain), offers eggs from choice matings at $1.50 per 15. Pullets a specialty at reasonable prices. 4-3

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ROSE-COMB BLACK MINORCAS and Golden Laced Wyandottes. Eggs from first-class stock, $1.25 per sitting; 2 sittings, $2.25. Also a few Rose-comb B. Minorca cockerels at $1.50 each. Satisfaction guaranteed. Mention A. P. J. Louis Krueger, Sleepy Eye, Brown County, Minn. 4-3

FRED E. BALDWIN, Ottumwa, Iowa.—Breeder of White Wyandottes, Buff Plymouth Rocks and Partridge Cochins. Catalogue free. 4 3

BUFF LEGHORNS that are buff, and Buff Pekin Bantams. Prize winners; excellent layers. Eggs for hatching my specialty. Write M. A. Bowles, East Palestine, O. 4-3

ROSE-COMB Brown Leghorns and Sherwoods. Eggs, either breed, $1 per 15; two or more sittings 75c each. Leghorn stock $1 each. Marion Ake, Ft. Wayne, Ind. 4-3

W. B. GANIARD, Delta, O. — White Wyandottes, Hawkins' and Duston's strain. Eggs of this strain from my best pen $1.50 for 15; all other pens $1.25. 4-3

BUFF PLYMOUTH ROCK—Burdick and Wilson strain, 13 eggs for $2; 30 for $4. Barred Plymouth Rocks, 13 eggs for $1.50; 30 for $3. L. E. Smith, Granger, Ind. 4-3

ROSE-COMB White Leghorns. Eggs selected for hatching 15 for $1, or 26 for $1.50, or $4 per 100. Stock from John Bauscher, Jr., Jas. Kappes, Jr., box 135, Ashton, Iowa. 4-3

PIT GAMES —Large, handsome birds. Smoke Ball and Aseel and Smoke Ball crosses. Eggs $2 for 15; $3 for 30. Stock for sale. A. D. Woodruff, Manhattan, Kansas. 4-3

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IMPORTED Buff Orpington's Wyandottes, P. Rocks, Brahmas, Cochins, Leghorns, Minorcas, Bantams, Langshans. Ducks, Hares. Eggs at reasonable prices, catalogue free. Davis Bros., Station E, Washington, N. J. 4-3

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BARRED ROCKS—Only. Cheap but good. Good enough to win under Judge Felch's scoring. Eggs after March 15th, $1.25 for 13; $2 for 26. Bertrude Spangler, Utica, Clark Co., Ind. 4-3

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WHITE HOLLAND TOMS—Good ones too. Other Turkeys, Geese, Ducks and Chickens, Farm grown. Eggs carefully shipped. Free list. Prompt attention. Low express rates. Address, Bert Wilbur, Knowlton, O. 4-3

SILVER LACED and White Wyandottes that score from 90 to 95, by Shaner, and mated for best results. Eggs from first pens $3; second, $1.50. Correspondence solicited. Geo. Hummel, Polk, Wis. 4-3

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RIVERSIDE POULTRY YARDS, West bank Hudson river. Light Brahmas only. Eggs 100, $5; 26, $2; 13, $1.50. Walter Burpee's strain. First-class stock. Lillie A. Miller, Highland, Ulster county, N. Y. Box 268. 4-3

BUFF LEGHORN EGGS, B. Plymouth eggs, only $1 per sitting, from good stock only; also Golden and Chinese Ring-neck Pheasant eggs for hatching. Write E. A. Schemmel, Beaver Dam, Wis. 4-3

46 PREMIUMS on Pouters, Jacobins, Tumblers, White and Red Dragoons, White Rocks, Golden Wyandottes, at Fredonia, Rochester, Elmira. Stock and eggs for sale at all times. Address M. Woelfle, Silver Creek, N. Y. Stamp if convenient. 4-3

S-c. BLACK MINORCA EGGS—From extra large fowls, 13, $1; 75, $5; 100, $6.50. Delavan Prairie Stock Farm, Delavan, Wis. 4-3

"THE WHITE ROCK MAN" has quality. Yard 1, females 93½ to 95; average 94½; cockerel 94½, cut only ½ point on color. Yard 2, semales 91 to 93; cockerel 94; average 93. $1.50 per 15. Few better, none whiter. The White Rock Man, Calla, Ohio. 4-3

FINE Single-comb Black Minorcas, Brown and Buff Leghorn, $2 per sitting. Fertility guaranteed. Stock $2 to $5 each. Mention this paper. C. M. Goodell. Rockford, Ill. 4-3

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H. E. KIPP, Red Hook-on-Hudson, N. Y.—Barred Plymouth Rocks exclusively, Thompson's strain. Eggs for hatching from six choice, well mated yards, $1.50 per 15; $5 per 100. 4-3

W. A. BOOKMAN, Hooker, Ohio, breeds S.-c. B. Leghorns, W. P. Rocks and W. H. Turkeys of the finest quality. Eggs, $2 per 15. Turkey eggs, $3 per 11. Stock for sale. Satisfaction guaranteed. 3-99-1yr

EGGS $1.00 per setting of 13, warranted from the very best of stock, Light Brahmas, Barred and White Plymouth Rocks and Partridge Cochins. John Hamilton, Box 221, Cuba, Ill. 3-6

GAMES—The first prize cockerel at Chicago (1898) heads my yard of Red Pyles and a 94½ cockerel my pen of Black Breasted Reds. Circular free. F. E. West, Darlington, Wis. 2-99-1y

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AFTER MAY 1ST I will sell eggs from my grand Silver Wyandottes and Houdans that will produce prize winners, at $1 per sitting. L. A. Junod, Mulberry Grove, Ill. 5-3

ORIGINATOR of Buff Brahmas. When I exhibited at Madison Square Garden and N. Y. State Fair won all first and specials. They are the greatest winter layers. Eggs from winners, $2.50 per 13; $4 per 26. Lloyd M. Hallenbeck, Catskill Station, N. Y. 4-2

BARRED AND BUFF Plymouth Rocks, White Holland Turkeys. Farm raised. Trotting right up with the best. Eggs from prize winners at Carey Show. Try and be convinced. J. A. Fox, Carey, Ohio. 4-3

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FOR SALE

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FOR SALE—White Holland Turkey eggs, 9 for $1.25, or 18 for $2.25; Large Pekin Duck eggs, 11 for $1, or 24 for $2; Barred Plymouth Rock eggs, 15 for $1, or 30 for $1.50. Breeder of Southdown Sheep. A. J. Peugh, Salem, Ind. 4-3

HERE is your chance at farmers' prices. Eggs from Dark Brahmas, Partridge Cochins, White Wyandottes, Barred Rocks, White and Black Minorcas, $1 per 13; 75 per cent. hatch. Frank Balser, Yountsville, Ind. 4 4

PHEASANT EGGS — Ornamental and Game Pheasant, breeding by Wallace, 20c; Ferret Keeper, by Wallace & Son, 10c. Ferret Muzzles, by mail, 20c. Wallace & Son, Lucas, Ohio. 4-3

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EGGS—Limited number White Rock at $1 per 13. Cock 91¾; hens 91½ to 93½ by Chas. McClave. Write Ralph Wilson, Bloomville, O. 4-3

FOR SALE—Golden Wyandotte and S-c. B. Leghorn eggs from farm raised poultry. $1 per 15. Young stock after August 15th. W. G. Young, Harvard, Ill. 4-3

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FANCY PIGEONS for sale or exchange. Want Trumpeter cock, Vim cock or Indian Games, Dark Brahmas, Golden Wyandottes, Pekin Ducks, Sebright Bantams, B. B. R. G. Bantams. F. P. Fergason, Owosso, Mich. 4-3

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EGGS For Hatching from prize winning Plymouth Rocks, (Thompson) Buff and Partridge Cochins, $1.50 per 15. Send for circular. Address, Will Allen, Greenfield, Ill. 3-6

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FOR SALE—15 eggs for 50c during May and June, of English Red Caps, Light Brahmas, S-c. Black Minorcas, Silver L. Wyandottes and S-c. White Leghorns. Frank Tobias, Mt. Aetna P. O., Pa. 5-2

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BEST CHANCE YET—50 selected Rankin Imperial Pekin Ducks, mostly yearlings, mated and laying, for sale at a bargain. Eggs, 50 for $3.50; $6 per 100. M. E. Servoss, Edison, Cook Co., Ill. 5-3

FOR SALE—Barred Plymouth Rock Eggs. Send $3 for 100 fresh, fertile eggs from large stock that score in the 90's. No sick birds in my yards. Clara V. Beardsley, Buckingham, Ill. 5-3

FOR SALE—Eggs from Single-comb White, Buff and Brown Leghorns; also Barred Rocks (all scoring over 90 points) $1.50 per 15; $2.50 per 30. Barred Rocks $2.50 per 15 straight. 10 chicks guaranteed. S. J. Martin, 59 Perry st., Titusville, Pa. 5 3

EGGS FOR SALE—Barred Rocks, Hawkins and Russell strains direct; Buff Rocks, Burdick; White Rocks, Empire; Partridge Cochins, Bronze Turkeys, Pekin Ducks. Write your wants. Satisfaction guaranteed. James May, Lewistown, Ill. 5-3

EGGS—From prize winners, all line bred, Pekin Ducks, $8 per 100; choice S. c. Brown Leghorns and White Wyandottes, $5 per 100. Satisfaction guaranteed. Joshua M. Bumgarner, Mt. Palatine, Ill. 4-3

EGGS—$1.25 per sitting straight. Ten pens Blue Barred Plymouth Rocks, Hawkins' Royal Blue and Nissley strains. Exclusive breeder. Your choice from cockerel, pullet, single, double, and select matings. F. B. Fenton, Beloit, Wis., River View Farm, Standard Poultry Yards. 4.3

EGGS FOR HATCHING—Light Brahmas, Barred Plymouth Rocks, Single and Rose-comb White Leghorns, $1.50 per sitting of 15 eggs. Hill Side Farm, Groton, Tompkins county, N. Y. P. O. Box 61. 4-3

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I C U R in want of eggs from my prize mated pen of Buff Rocks, that's won honors in the show room and Buff to the hide. Burdick's, Wilson's, and Denney's stock. Eggs, $1.25 per 13; $2 per 26. Glenwood Farm, L. Hallenbeck, proprietor, Catskill Station, N. Y. 4-2

EGGS—S-c. Brown Leghorns, 50c for 26; B. P. Rocks, Light Brahmas, Pekin Ducks, $1 for 15; Bronze Turkeys, Toulouse Geese, $1.50 per 9. Thoroughbred stock. J. A. Peterson, Vincent. Webster county, Iowa. 4-3

FOR SALE—Light Brahmas—no one stock. I make a specialty of this breed; 150 fine birds at reasonable prices for quality. and White Holland Turkeys. Satisfaction guaranteed. Eggs in season. M. L. Rude, Liberty, Ind, 4-4

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EGGS—B. P. Rock, White Wyandotte, Pekin Ducks, $1 for 15; Toulouse Geese, M. B. Turkey, $2 for 12. Address, R. S. Drain, Pana, Ill. 4-3

FOR SALE—Buff Wyandottes and Pekin Ducks. Wyandottes scored 91¾ at Bellville, Dec. 13, 1898. Eggs, $2 per 13. John O. Betler, Evansville, Illinois. 4-3

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EGGS FOR SALE—From Silver Wyandottes, Rouen Ducks, at $1.25 per 13; $2 per 26, from good stock. Mention A. P. J. William Ebert, Keyeser, Wis. 4-3

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HARES—Belgian Hares from 50c to $1.50 each; standard color, standard bred. As fine a litter of Scotch Collie Shepherd pups as there is in America. Send stamp for catalogue. B. H. Westlake, DeKalb, Ill. 6-3

FOR SALE—Barred Plymouth Rocks and Black Minorcas, Thompson, Hawkins, Knapp and other fine strains of breeding birds. Pullets and hens only. (Cockerels all sold.) Also eggs for hatching from thoroughbred fowls at reasonable prices. A. M. Zabriskie, Aurora, N. Y. 6-3

FOR SALE—Poultry and fruit farm, 35 acres in suburban town, four miles from Kalamazoo, 150 from Chicago; opposite Michigan Central depot. Fine residence; barn; 100-ft. poultry house, stocked with thoroughbreds. Rare Bargain. Easy terms, Address Box 395, Kalamazoo, Mich. 5-3

15 EGGS from choice pens of B. P. Rocks, Buff and Partridge Cochins, S. L. Wyandottes, for $2 from old hens, and $1.50 from pullets. A few Cochins and Rock cockerels left. This stock is well bred and will not dissappoint you. I will see you satisfied. Sylvester Page, Thomson, Ill. 4-3

EGGS FOR HATCHING—S-c. Black Minorcas. Flock headed by cock Emerald won first at Pittsburg, Pa., 1897. His birds won 1st at Salina, O., 1898. Also White Wyandotte eggs from select matings. Motto is to please. Eggs $1 for 13, either variety. Stock for sale in fall. C. Doudna, Lexington, Richland county, Ohio 4-3

MISCELLANEOUS.

TO CLEAN PAPER on walls, and a dozen other valuable recipes. Write for list; also circulars. Address Lake View Summer Resort & Poultry Yards, Catawba Island, Ottawa Co., Ohio. 5-3

48-INCH POULTRY NETTING, $2.25 per roll. Delivered. Send for complete prices of all sizes. J. H. Jones, L. Box 11, Streator, Ill. 5-2

ELBERT'S MEADOW HERB Ointment. Price 15c. The greatest quantity of the highest quality for the lowest price. Money refunded if not satisfied. Send stamp for circular. Send to-day. Robt. J. Witz, Burlington, Iowa. 6-3

WANTED

WANTED—I want to purchase a Black Squirrel, male preferred. Quote price. "Auditor," Stillmore, Ga. 6-1

WANTED—Position as manager or assistant for a Poultry-Duck Farm. I know my business. Richard Backer, 311-59 Dearborn street, Chicago, Ill. 4-3

FOR EXCHANGE

TO EXCHANGE—Choice pedigreed Collie pups; want W. Wyandottes, Ferrets or cash. What have you? White and Buff P. Rock eggs from winners, $2 per 13. Write A. F. Ackley, Woodstock, Ill. 4-3

FOR EXCHANGE—I want to change blood. I have cockerels of known breed, namely: Five Partridge Cochins and four S-c. B. Leghorns. I want Belgian Hares of prolific breed (yearlings) and Turkeys. A. L. Vanden Berghen, River Forrest, Ill. 4-3

BUFF, Barred and White Rocks,
BUFF, Black, Partridge White Cochins,
BUFF, Black, Golden, Silver Wyandottes, White Indian Games, White Langshans. Won 143 prizes three shows. Eggs $1 per 15. R. H. Vanderhoof, Newton, Ill. 5-3

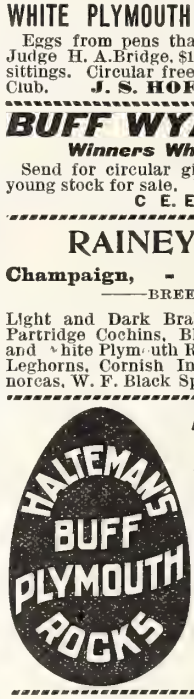
T. E. HUSTON,
Breeder of and Dealer in
DUROC-JERSEY HOGS
and Black Langshan Chickens.
Blackwater, - - 5-3 - - Mo.

CORNISH INDIANS EXCLUSIVELY.
Stock all sold until after June 1st. but am offering eggs from extra fine matings at $2.50 per 15. Half price after May 1st.
F. D. BENNETT, Galena, O.

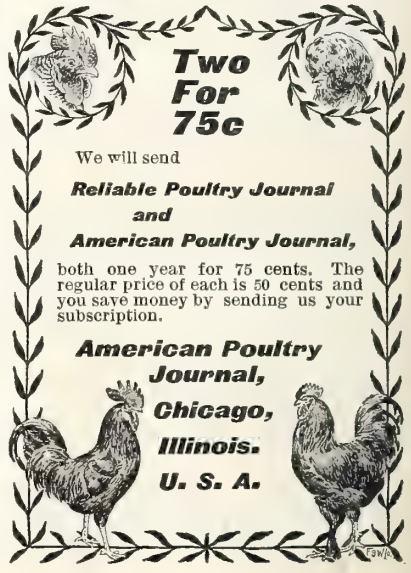
WHITE PLYMOUTH ROCKS---Exclusively.
Eggs from pens that scored 94½ to 96½, by Judge H. A. Bridge, $1.50 per sitting; $2 per two sittings. Circular free. Member A. W. P. R. Club. **J. S. HOFFMAN Sharon. Pa.**

BUFF WYANDOTTES.
Winners Wherever Shown.
Send for circular giving prizes. Some fine young stock for sale. Eggs $2.50 per sitting.
C. E. ELLSWORTH, Danville, Ill.

RAINEY MILLER,
Champaign, - - - - Illinois,
BREEDER OF
Light and Dark Brahmas, Buff, Black and Partridge Cochins, Black Langshans, Barred and White Plymouth Rocks, S-c. B. and R-c. B. Leghorns, Cornish Indian Games, Black Minorcas, W. F. Black Spanish, S. S. Hamburgs.



HAVE WON
their share of premiums in the show room. Rich golden, up-to-date stock and Buff all over. Wilson, Burdick & Joslin strains. Cheapest eggs in the market, considering quality. Eggs, $1.50 per 13, or $3 per 30. Write for circular, it tells the rest,
WM. H. HALTEMAN,
East Coventry, Pa.



G. N. KERSTEN, CHILTON, WIS.,

—BREEDER OF—

Barred Plymouth Rocks, White Wyandottes,

Bronze Turkeys and Pekin Ducks.

On and after Sept 1st I shall have a fine lot to select from. Book your orders early.

IT IS A FACT that June and July hatched Black Minorcas are the **Ribbon Takers** at the January shows. We now offer eggs from our *Northup strain* (exclusively) Black Minorcas at $1 per 13; $2.50 per 45. **25 FINE BREEDING HENS, $1.25 EACH.** Reg. Scottish Terrier pups, $4 and up.

CORN BELT MINORCA YARDS,

A. A. Christie, Mgr. Smithland, Iowa.

For Sale.

B. B. RED GAME BANTAMS

THAT ARE WINNERS.

Five hens scoring 94 to 95¾, by Hewes.

SIGLER & LAYTON,

Leon, Iowa.

Our Yard

is full of fine chicks that we will enter orders for. The first come gets the best. Brown and White Leghorns, White Wyandottes, B. P. Rocks, B. B. R. Games.

F. E. DeMUTH, Wheaton, Ill.

Correspondence solicited.

DEWEY'S

BARRED P. ROCKS—Winners at S. Bend, Ind. Detroit, Mich. '99
BUFF P. ROCKS—Winners at Mich. State Fair, '98.
BLACK MINORCAS—Winners at S. Bend and Detroit, '99.

June eggs $1.50 per 15.

M. BLISS DEWEY, Concord, Mich.

Stay White Rox.

Reduction in price of eggs after June 1st to 75c per 13, or 26 for $1.25.

GEO. OWEN, Box 32, Wray, Col.

Chicago Winners.

TIBBETT'S BRARED ROCKS proved a surprise party at the joint show, Chicago, Jan. 9-14, '99, where in competition with the "best in the country" my Rocks won 2d on cock, 91¾, 5th cockerel, 93 (Hewes); 4th and 5th pullets, 92½, 92½ (Russell) and 2d breeding pen, 185¼. Circular free. Mention A. P. J.

H. TIBBETTS, Neponset, Ill.

EGGS. Money' worth or money back. Not half price—only full value. Express paid on $1 and upward orders. Two years' subscription to AMERICAN POULRRY JOURNAL or 1 year to two names with each egg order balance of season.

BUFF— Rocks, Cochins, Cochin Bantams.

W. H. SCOVIL, E. Lebanon, Maine.

Spring Run Poultry Yards

of Dr. W. A. Crum & L. A. Logsdon, Carey, O., have such stock that wins in all the shows in Buff and White Rocks, White, Buff and Silver Wyandottes, Toulouse and Embden Geese. Breeding stock at low prices and eggs at $1.50 per 15 after June 1st. Send for catalogue and mention American Poultry Journal.

Fred's Buff Cochin Bantams

Have won more first and second prizes in past three years in the West than any other breeder we know of. Eggs from our grandest matings only $2. Some fine hens for sale cheap. One cockerel, 94½ by Bridge, winner of 2 firsts, 1 fourth. Write and mention A. P. J.

FREDERICK WILLIS, New Carlisle, Ind.

PROFIT IN EGGS.

We have frequently asserted that a farmer, having the ordinary outbuildings which can be cheaply transformed into comfortable henhouses, can add from $500 upward to his cash receipts annually by keeping fowls. It is somewhat difficult to get proof of this fact, owing to the neglect of statistics by farmers. We are glad to find, in Farm-Poultry, a detailed statement in confirmation of our declaration. Our Boston contemporary gives a letter from a man in Maine, who modestly withholds his name and address. Four years ago this farmer took an abandoned farm in that state, and went into the "hen business." He knew nothing about the care of fowls and had to learn some hard lessons. But he started right. With only 25 common scrubs he practiced the art. His first shelters were an old outbuilding and a barn. He wasted nothing on fancy buildings. The second year his flock increased to 175 head; the third year he kept 400. Then he built a hen house, 12x50 feet. The next year he had 550 head, and built two houses, 13x60 and 13x50, respectively. His flock now numbers 440 head. He lives 12 miles from a railroad and has to pay 25 cents expressage on every crate of eggs marketed. His fowls are "mostly Leghorns." During the year ending last December his sales of eggs alone averaged $66.52 a month, or $798.31 for the year. The net, after expressage, was $773. The price of eggs ranged from 31 to 11 cents; an average of a fraction under 16 cents a dozen. Thirty-four shipments went for less than this price, and from the middle of March to the middle of June the price was steady at 11 cents. We compile this showing to demonstrate the claim that eggs pay at the prices obtainable in the West. No account is made of the increase in flock to the credit. The cost of feed is less in the West than in Maine.

—o—

Dr. Woods advocates free range for growing chicks, and says, in Farm-Poultry: "Most of the ailments of weaned chicks are due to digestive troubles, and are either caused by overfeeding or lack of variety in food, sometimes to want of grit—often in hot weather to impure water. Removal of the cause remedies the trouble. Bowel troubles are frequently the result of foul water; when the cause is removed charcoal in the mash proves an effective remedy. Chicken pox may sometimes attack the chicks in spite of all precautions. When it appears feed less starchy food; put five grains of calcium sulphide in each quart of the drinking water (for one week if necessary), and anoint the sores with a little carbolated vaseline. This disease runs its course in about a week. Weak legs will be few if the birds have their liberty, and are not overfed or overforced."

—o—

In a change of ad in this month's issue W. C. Denny, secretary of the Buff Plymouth Rock Club, Rochester, N. Y., announces that he will sell eggs from his Goldenrod Buff Rocks at half price for the balance of the season. Mr. Denny has 100 choice breeders for sale at reasonable prices and asks that readers of The American Poultry Journal send for his free circular.

$1 FOR JUNE—Eggs from fine Light Brahmas and R.c. W. Leghorns. Brahmas have grand shape, size, color and markings. My Leghorns are great layers; none better.

C. R. ROBERTS, Plymouth, Ind.

Houdans, White Wyandottes,

Eggs $1 per 13; $2.50 per 40; $6 per 100.

PEKIN DUCKS (Rankin strain). Eggs $1 per 10; $6 per 100. From large, vigorous, prolific stock. A number of this year's breeders for sale next month, very low for quality. Also exhibition birds in fowls and chicks. I would be pleased to quote you prices.

MRS G. A. NORRIS, Lebanon, Me.

Price of Eggs Reduced

to $1 per 13, after June 15,

—FROM—

Barred P. Rocks and S-c. White Leghorns,

that can go in best of company.

E. E. GREER, BEATRICE, NEB.

A Great Opportunity

to get eggs for hatching from

SPLENDID BUFF ROCKS.

Only $1 per 13

the balance of the season. Order quick.

Burhans' Buff Rock Farm, Seward, Neb.

GRANT'S

Buff Cochins and Lt. Brahmas

Never Fail to Win,

A few good birds for sale at reasonable prices. After June 1st.

J. H. GRANT, Elmira Heights, N. Y.

T. P. EBERSOLE,

Manson, Iowa,

Will sell eggs from any of his breeding pens for $1 per sitting until June 20th. None for sale after that date. He breeds Light Brahmas, White Plymouth Rocks and Black Minorcas. Write for prices when in need of fine breeding or exhibition stock.

SCHEMES of all kinds are resorted to, to introduce new things, I have nothing new to introduce but I have some of the best Golden Wyandottes and Partridge Cochins to be found anywhere, and in order to induce you to deal with me I will offer you a sitting of either kind of eggs at only $1.00 per sitting, for this month only. None for sale after this month.

H. A. TOWNE,

Sac City, Iowa.

Brattain's Brown Leghorns

Winners of 5 firsts, 6 seconds, 2 thirds and 7 special premiums at Oxford and Indianapolis last winter. A few choice exhibition hens for sale at a bargain. Eggs half price after June 1st.

E. C. BAATTAIN,

Br. Leghorn Specialist. Connersville, Ind.

IF YOU WANT.

B. P. Rocks, S-c. Brown Leghorns or S-c. White Leghorns, from the leading strains in this country, after Sept. 1st, write me. I will have hundreds of them for sale. Also for Lambert's Death to Lice.

GEO. H. BIE,

Box 100, Station A. Racine, Wis.

R. B. KINNETT,

—BREEDER OF—

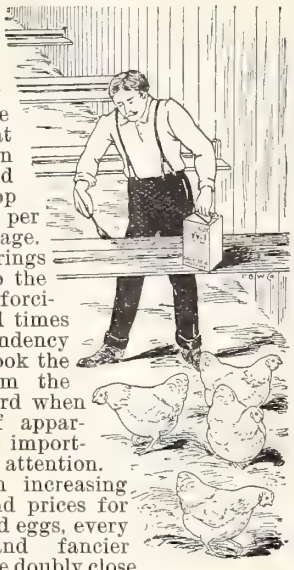
B. P. Rocks, S-c. B. Leghorns and Buff Cochins.

Central Illinois Poultry Show, 1898, B. N. Pierce, judge: Br. Leghorns—1st and 3d ckl., scores 94, 92½; 1st, 2d and 3d hen, scores 94, 94, 93; 1st, 2d and 3d pullet, scores 94, 94, 94; 1st and 2d breeding pen, scores 188, 185¾. B. P Rocks, 2d hen, 91½. Buff Cochins, 1st hen 92½. Stock for sale. Eggs $2.50 per 13. **Chapin, Ill.**

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Give the Poultry Attention.



An item has been going the rounds of the daily press to the effect that this season the egg and poultry crop shows a 40 per cent shortage. Nothing brings the hen to the front so forcibly as hard times and the tendency is to overlook the profits from the poultry yard when matters of apparently more importance claim attention.

With an increasing market and prices for poultry and eggs, every farmer and fancier should give doubly close attention to the poultry. Inattention for one season will often undo the work of several years.

It really requires very little time for attending to poultry if the time is properly utilized. Plenty of straw or chaff in the poultry house with a clean-up once in two weeks keeps the house in better condition than a clean-up twice a week with bare board or hard earth floor.

An application of Lee's Lice Killer to the roosts once a month through the fall and winter and once in two weeks during the spring and summer will do more towards keeping the fowls permanently free from lice and mites than daily use of coal oil, whitewash, insect powder, etc. It costs more than some other things but it does the work and it lasts. It also saves time and labor, which to you may mean something.

We have made a study of insects and insect destroyers and offer to you free a little 64-page pamphlet on the subject if you care to write for it. You can get Lee's Lice Killer from your dealer. If he don't have it in stock he can get it if he takes the trouble to order it. Above all, take no subsitute, as there is nothing else which will do the same work, without harm to the fowls, and retain its efficacy so long. Lee's Lice Killer is on sale in every State in the Union. One gallon will cost you 75 cents from our factory, from any of our agents in Central and Eastern States, or from you local dealer; ½ gal. 50 cts.; 1 quart 30 cts.

GEO. H. LEE CO.,

Omaha, Neb.

Or 68 Murray st.,

New York City.

FOR ROUP AND CHOLERA. Lee's Germozone is certain and effective. Now prepared in tablet form for mailing. 50 cents postpaid. Sample and booklet free.

POULTRY A SOURCE OF WEALTH.

Take away the fowls, or rather let some devastating influenza or La Grippe destroy every fowl in the West and South today, or within one week, says Fancier's Gazette, and one-half of the inhabitants thereof, men, women and children would become absolutely impoverished before the first day of July, 1900. Every luxury, and nearly all the necessaries of life are supplied to the inhabitants of rural districts from March until after harvest by the produce of their fowls. The demand for poultry increases year by year and will continue to increase to a much greater degree as the population of the country increases. This is self-evident, and from it may be drawn the logical conclusion that there is no danger of the poultry business, as an industry, failing at any near period. Hence it is safe to urge and encourage the business in all ways and methods which will improve it. Here is where thoroughbred fowls find a place. The fancier spends money and time in developing them, producing or adding to certain desirable qualities; these are scattered broadcast over the country by means of advertisements, and poultry exhibitions, and improvement is carried into the farmyard of enterprising farmers. The common dung-hill of small size and productiveness is being displaced by specimens showing greater prolificness, aptitude, early maturity and size. He is a very poor farmer, or one not willing to keep up with the progress of the age who cannot realize from $100 to $500 annual profit from a yard of fowls, where he now crabs along with common dung-hills, which only supply him with a very limited number of little eggs, and a few sinewy chickens for his family.

—o—

BUFF ROCKS IN INDIANA.

On April 15th, 1899, an Indiana Buff Plymouth Rock Club was organized, with F. E. Mow, Union Mills, Ind., president; S. E. McIntosh, Hardinsburg, Ind., vice-president; J. C. Brown, Campbellsburg, Ind., secretary and treasurer. F. E. Mow, S. E. McIntosh and S. A. Noftzfer, North Manchester, Ind., executive committee. The object of the club is to promote the interest of the breed throughout the state, and work in harmony with the American Buff Plymouth Rock Club. Our membership is sufficient to insure the success of the organization. It is to the interest of every breeder and fancier of Buff Plymouth Rocks in Indiana to become a member of this club. The membership fee is only $1 and the benefits are numerous. Send in your application at once and become united with us, addressing me at Campbellsburg, Ind. J. C. BROWN.

—o—

The Fanciers' Association of New Jersey has selected December 22 to 26, 1899, as the dates of the next show. This organization is "for the promotion of the poultry industry in New Jersey and the protection of the public in general from fraudulent advertisers." The membership fee is $1, with annual dues of $1. The officers are: E. C. Slater, president; J. C. Haynes, vice-president; A. J. McCain, treasurer; Chas. Nixon, secretary, 88 Taylor street, Washington, N. J.

WHITE ROCKS.

Are all Sold for this Season,

My pens are now mated and I am ready to sell you eggs from pure White P. Rocks. Eggs $1.50 per sitting or two sittings for $2.50.

W. M. JAMES,

Box 123. Alvin, Ill.

North Side Poultry Yards.

SILVER and BUFF WYANDOTTES.

No eggs. Stock for sale at all times. Agents for Spratt's Patent Poultry Food. Send for circular or write your wants.

A. & E. TARBOX,

Box A 5. Yorkville, Ill.

Roberts' Buff Rocks

are known wherever Buff Rocks are known, and what is better still, it's their merits that make them popular. Circular tells all about them.

Eggs reduced to $1 per sitting; 6 sittings $5.

R. W. ROBERTS, Box 4, Camroden, N. Y.

SILVER WYANDOTTES.

Remember they are quick growers and plenty of time yet to hatch December and January show winners all this month. Will fill orders for eggs very promptly. Price, $3 for 13, straight. Remember also that my Silver Wyandottes have the laced wing-bar and "open" centers in the back that one can see 30 feet away. Address

HENRY STEINMESCH,

Lincoln Trust Building. St. Louis, Mo.

20 Cents, Postpaid.

Convenient to send. Easy to spare.

Hanchett's Fowl Catcher—Patented.

Do not frighten and bruise your birds by the old method of catching. I will promptly return your money if you do not find this the *handiest tool on the premises*. Endorsed by editor A. P. J.

H. N. HANCHETT, Jackson, Mich.

P. S.—While you think of it put your hand in your pocket and see if you haven't the correct change.

DAVIDSON'S SPECIAL.

To introduce myself to NEW TRADE I will fill orders for EGGS during balance of season at ONE-HALF PRICE—

$1.50, $1 and 50 cents per 13. $5 per 100.

From my Standard Matings

S. C. BROWN LEGHORNS,

DAMON STRAIN.

Descriptive Circular Free.

C. M. DAVIDSON,

3430 W. 64th st., Chicago Lawn, Ill.

Blue Barred Plymouth Rocks,

Bradley Bros. Strain.

Large and showy, well barred, fine in shape and color, and no brassiness; legs and beaks a nice orange color. They are as fine a flock as there is the West. I have bred them 2 years and have been very particular to breed them to the Standard. Eggs, $2.50 per 13. No circulars. Write for price.

LEVI McNETT, Woodstock, Ill.

Barred Plymouth Rocks.

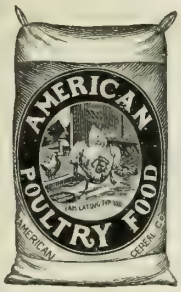
Scoring 90 to 93½,

by Bicknell and Russell.

Empire strain White Rocks to 94. New blood from best eastern breeders every year. Eggs $2 per 15; $5 per 45. Correspondence solicited.

M. M. WILLETT, L. E. BRUNSON.

Plymouth, Mich.



A Peerless Food for Chicks

Sold only in Sealed and Branded Sacks.

American Poultry Food is a food—not a condition powder. It is a scientifically prepared, ready-mixed, daily ration.

Do You Want Eggs?
Feed American Poultry Food.

Do You Want Quick Growth?
Feed American Poultry Food.

Do You Want Show Birds?
Feed American Poultry Food.

If you are Raising Chicks for Market, there is no food that will force them so fast and produce such all-around development and perfect quality as

AMERICAN POULTRY FOOD

A MORNING MASH.

HOW TO MAKE CAKE FOR CHICKS.

Thoroughly mix three pints of American Poultry Food, one pint of clover meal, a third of a teaspoonful of salt, and five teaspoonfuls of baking powder: wet with water or milk to a moderately stiff batter and thoroughly bake in a slow oven; the inside of the cake will serve as a mash, and the outside can be used in place of hard grain.

Practical Poultry Feeding, a little book covering a wide range of subjects of vital interest to Poultrymen, will be sent you free, post paid, on request.
Address, **SCIENCE DEPARTMENT,**

THE AMERICAN CEREAL CO., 1353 Monadnock Bldg. CHICAGO, ILL.

Adirondack **BLACK MINORCAS.** Exclusively.

My Minorcas have a show record at **MADISON SQUARE GARDEN**, and elsewhere, which is proof of high quality. They are also bred for layers. **IT IS NOT TOO EARLY TO PLACE YOUR ORDER** for **EGGS** from my best prize matings, **BRED IN LINE**, at $3 for 13; $5 for 26; or $10 for 65 **EGGS**. My Minorcas are noted for size, type and color. Mention A. P. J. and get circular.

J. H. DOANE, Lock Box D, Gouverneur, N. Y.

Weishar's Buff Plymouth Rocks

Were never so fine as this year.

Eggs from my prize winning pens, $3 for 13, $5 for 26, $7 for 39. I have 1st, 2d and 3d on cock; 2d on hen; 1st, 2d and 3d on cockerel; 1st and 2d on pullet; 1st, 2nd and 3d on pens. They have the Golden Buff color throughout, including under color. Address

W. H. WEISHAR, 71 Stephenson st., Freeport, Ill.

QUESTIONS AND ANSWERS.

G. B. H., Barry, Ill.—The Cochin hen you allude to may be deprived of shell-forming foods. Oyster shells, pounded fine enough to be eaten, will probably remedy the defect. Hens need lime in some form. Feed wheat, instead of corn. If the eggs still continue without shells, or without yolk, the defect is in the fowl herself and cannot be remedied. The trouble may be an imperfect organ.

P. C. W., Southington, Conn.—Worms in fowls, such as you describe, are doubtless picked up in the water or damp food. There are several varieties that infest fowls, as well as all animals. The ones you describe probably came from the larvae of the bot-fly. A vermifuge can be obtained at any druggist's. Young chicks suffer greatly from the gape-worm. Turpentine or kerosene applied to the throat with the tip of a feather will remove the worm in the upper passage. Asafoetida is a relief to intestinal troubles of this sort. A teaspoonful of this liquid in a mash for twenty-five fowls is the right quantity.

T. J. K., Carbon, Ia.—Chicks die in the shell for various reasons. You can gather information from the directions with your incubator. As you do not say whose make it is, we cannot reply definitely with an opinion as to the probable cause in this case. The fault may rest either with overheating, lack of or too much moisture, or any one of many causes. No statement can be made that fits all cases.

O. D. A., Detroit, Mich.—I have 21 Brown Leghorn hens. I feed them a warm mash in the morning, consisting of bran one morning and ground oats and cornmeal the next. At noon I feed one pint of wheat and table scraps; at night 1½ pints wheat. I have lime, mica grit, crushed oyster shell and fresh water in the park at all times. I also feed raw meat once a week, and every Sunday I let them run in a field (covering an acre) of grass. They have been laying about ten eggs a day, but lately they have dropped down to six or seven a day. They are also nearly bare. Will you kindly advise if my feed is the right kind and in proper proportion for eggs? Why do they not lay better, and what makes them nearly bare? (The rations and general treatment are in line with what is usually considered proper. The impression derived from this description is that the fowls are troubled with lice. The decrease in production and the falling of feathers indicate annoyance to the fowls. Examine the roosts, house and birds carefully. Probably the insects will be discovered. If this conjecture proves true, apply the remedies that are so often mentioned. There are cheap and effective vermin-destroyers advertised in this issue, and they are recommended, rather than the home-made remedies suggested for the benefit of farmers or raisers of large flocks.)

C. W., North Greenfield, Wis.—Replying to your inquiries: Caponizing is a matter of practice and can easily be learned. We suggest experiments first on a dead fowl, to ascertain the correct operation. The address of a man in this business near Milwaukee is not known. Full-bred Rocks are better than any crosses with smaller fowls for your purpose. Middlings are richer in the properties you name.

23 Years a Breeder

....of Prize Winning....

B. P. ROCKS.

A few cockerels and pullets to sell. Eggs from nine grand matings at $2 to $4 per 13. Circular free. Mention this journal.

JOE FARMER. Flushing, Ohio.

A NEW CAPON TOOL

THE TRIUMPH.

The "Slip Problem" Solved.

Set of Six Pieces, in neat box, $3.00 Postpaid. Send stamp for Illustrated Catalogue.

Allerton Caponizer Mfg. Co., Allerton, Ia.

EMPIRE POULTRY YARDS.

Lt. Brahmas
White Rocks
W. Minorcas
} A Great Trio.

2d Brahma pullet at Troy, N. Y.; 2d breeding pen Rocks, Troy, N. Y.; 2d White Minorca ckl. at Boston, '99. All pens contain high scoring birds. Brahma eggs, $3 per 13; Rock and Minorca $2 per 13. **Mechanicsville, N. Y.**

THE ONLY ONE

Pike's Lice Destroyer is the only lice killer that is sold on a guarantee to kill lice and mites or money refunded. It is no trouble to use it as the liquid is sprinkled on the roosts and kills the vermin while the poultry sleeps.

Pike's Lice Destroyer, per gallon can	$ .75
Crushed Oyster Shells, per 100 lb. bag	.75
Mica Crystal Grit, per 100 lb. bag	.75
Ground Bone, per 100 lb. bag	2.00

Much lower prices for larger quantities. Agents wanted. Send for descriptive circulars.

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B. B. RED GAMES and GAME BANTAMS.

With 25 years' experience we breed and sell birds that win. We also breed the best quality of Pit Games.

B. R. SPAULDING, JAFFREY N. H.

A Record to be of value must be backed by continued worthy deeds. The **Prairie State Incubators and Brooders** have increased their first premiums to 200 in competition with the best. Send for 1898 catalogue, giving full description. Handsome colored plates.

We warrant every machine.

Praire State Incb'tor Co. Homer City, Pa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

FARMERS' INSTITUTE WORK.

The Illinois Farmers' Institute proposes to inaugurate a "Little Red Schoolhouse" campaign. Plans have been prepared for the most important work in Agricultural Education ever set on foot in the State. The Illinois Farmers' Institute is an organization under the laws for the promotion of Institute work among the farmers. The Farmers' Institute is a sort of University extension movement. It brings instruction in crop growing and live stock breeding and feeding right to the farmers' door. The Agricultural Colleges are growing constantly and largely in attendance, but only a tithe of the agricultural population can go away to college, and hence instruction is being brought into farming communities where all may have a chance to take advantage of it. This work has been of remarkable growth and astonishing benefits.

The Illinois Farmers' Institute is composed of one member from each Congressional district and has a general supervision over the work in this State. Three kinds of meetings are held—State, Congressional district and County Institutes. These latter are usually held once a year, sometimes oftener.

Great as is the work done by these meetings, it has long been felt that they were not brought close enough to the people; and at the last State meeting a committee was appointed to consider the plan of organizing Institutes in every township in the State, to be held once a month except in the harvest months of July and August. This committee consists of Col. Chas. F. Mills, Springfield, chairman; G. A. Willmarth, Seneca, president of the State Institute; Amos F. Moore, Polo, and C. J. Lindemann and W. R. Goodwin, Jr., Chicago. An outline of the plan adopted is as follows: The committee will request from the presidents of the County Institutes the names of the representative active farmer in each township to organize the Institute. In case these men are not named, the supervisor in each township will be commissioned to put the movement on foot. He will be requested to associate with him a school teacher in the township, and one woman, who will look after the Home Making part of the program. A constitution will be drafted by a sub-committee (Messrs. Mills, Lindeman and Mann) to be used as a working basis. Another sub-committee (Messrs. Mills, Willmarth and Goodwin) will draft a program of the topics for discussion for each month in the year, which may be varied to meet local conditions. Yet another sub-committee (Messrs. Mills, Moore and Goodwin) will prepare a scheme of instructions that will facilitate the work of organizing and conducting institutes. It is proposed that one day of three sessions be taken in each month—the morning to be devoted to topics of especial interest to the men; the afternoon to be taken by the women, and the evening reserved for young people. The interest of the rising generation will be enlisted by holding prize essay contests in each school on some subject connected with farm life, and the best essays, written by a boy or girl, respectively, will be read at the evening session of the Institute.

HOUDANS, Exclusively.

Eggs and Birds For Sale,

WOOKEY PLUMS & POULTRY CO.,

Circular free. NORTH PEORIA, ILL.

At Toledo Show, Butterfield, judge; 75 birds in class, my White Rocks won, 1st cock, 1st and 2d hen, 2d (tied 1st) and 4th cockerel, 2d and 5th pullet, 1st pen; 10 birds entered; 10 premiums won. Eggs $2 per 13. Stock for sale.

F. J. PHELPS, Bucyrus, Ohio.

A SMALL POULTRY FARM is better than a gold mine, if you know how to run the business. "Poultry and Pigeon Raising" and "How to Make it Pay" will tell you how to do it. Only 25 cents. Address Edwin W. Fly, Manager Clear View Farm, Chalfont, Pa. 3-3

12 YEARS breeding S-c. Brown Leghorns. If you want to win in the show room and have the best layers on earth send me an order for eggs at $1 25 for 15, or 30 for $2. Stock at a bargain. Send for circular.

C. F. LANG, LaCrosse, Wis.

Barred Ply. Rock Eggs.

For the remainder of the breeding season I will sell 15 eggs for $1. Pekin Duck eggs 12 for 50c. All from good first-class stock.

H. ADOLPH, Ironton, Iron Co., Mo.

BUFF COCHINS,

(Oakland Farm Strain).

Plymouth Rocks,

(I. K. Felch Strain).

Prize winners now for sale. Stock mated to get exhibition birds. If you want satisfaction try me. Eggs $1 per 12 until Sept. 1st. Write to-day to HORACE R. BURT, Austin, Tex

COMBINATION NEST EGG and Lice Killer.

Guaranteed to kill all parasites on setting or laying hens. Prevents insects in the nest. Can be recharged with disinfectant at any time. Weight of egg, one ounce. So light can not break eggs under the hen. Agents wanted in every county. Sample by mail 10 cents.

J. H. TINGLEY, Rahway, N. J.

PIG-TIGHT!

With our **Duplex Twister** you can make 100 styles, and 50 to 70 rods per day at a cost for the wire of **12 to 22c. per rod.** First Premium and

Gold Medal

at Omaha Exposition. Plain, Barbed, **COILED SPRING WIRE,** Farm and Ornamental Fence

TO THE FARMER

at wholesale prices; thus saving the dealer's profit. Machine sent on Trial. Catalogue FREE.

KITSELMAN BROS.

Box 15 Ridgeville, Ind.

Ouachita Valley Poultry Farm.

LARGEST IN THE SOUTH.

We have beyond any doubt the grandest lot of young birds ever raised for exhibition and breeding purposes. We never fail to win in the show room, winning last season over 287 prizes on our specialties.

Light Brahmas, C. I. Games,
Barred Plymouth Rocks,
Wild & Bronze Turkeys,
Buff Cochins, S. L. Wyandottes,
Brownie Pit Games,
Pekin Ducks.

Just a trial order will convince any one as to our square dealing and the high quality of our stock. Guaranteed to please. Eggs $3. Stock from $2 up.

G. W. BROWN, Prop.,
Camden, Ark.

Send for a sample copy of the Cotton Belt Journal.

BRABAZON'S POULTRY CATALOGUE FREE! It's a beauty, over 50 colored plates. Illustrates and describes fine Turkeys, Geese, Ducks and chickens; gives prices of fowls & eggs. Finest Buyer's Guide published. Inclose 10c. for postage, etc.
J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

Poultry Printing That Will Give Returns
Samples and Prices Free.
B. F. HUNTINGTON, Platteville, Wis.

A BARGAIN—245-acre farm. Cuts 60 tons hay; fine buildings; nice pastures; 2,000 sugar trees; all sugar tools; R. R. 5 miles; healthy location; $1,400.
GUNN & CO., Marlboro Depot, N. H.

PAGE'S *S-C. BLACK MINORCAS.* My stock is bred from the best strains that can be produced. Perfect in size, shape and style. They are thoroughbred and up-to-date. Eggs that will hatch, from my best pens $1.50 per 13. Satisfactory hatch or sitting duplicated. Circulars free.
H. D. PAGE, Ira, Cayuga Co., N. Y.

EXPRESS PAID on stock and eggs on farm-range W. Wyandottes, Bar. P. Rocks, Buff Leghorns, R-c. W. Leghorns. Eggs $1.50 per 15; $2.50 per 30; $5 per 100. Address all orders.
N. K. MENDELS, Ada, Mich.
A fine trio of S. S. Hamburgs for sale at $4.

Buff Plymouth Rocks.
Pure Nugget Strain Only.
Indiana State Fair Winners, 1898. Won 1st cock, 2d cock, 2d breeding pen on four entries. Eggs $2 per 13; $3.50 per 26. Stock for sale. Member American Buff P. Rock Club.
MRS. E. I. REYNOLDS, Haskells, Ind.

HOUDANS.
My breeding pen this season is headed by the first prize cockerel at Johnstown, Rochester and Elmira, score 93. He is mated to hens and pullets equally as good. Eggs from this pen $1 50 per 13, or $2.50 per 26. Am also breeding Blk. Langshans, American Dominiques and White Wyandottes. Eggs from these pens same price as Houdans. A few cockerels of each variety to spare. Member Am. Houdan Club.
H. D. THOMPSON, Wheeler, N. Y.

Dewey Has Won Prizes.
My **SUPERB Single-comb BROWN LEGHORNS** will **WIN** too. No stock scoring less than 92. My breeders are beautiful. Stock at reasonable rates for elegant birds. Sitting of 15 eggs, in fancy box, from these breeders for 2$, express paid. **C. M. STEINMETZ,**
Breeder and Proprietor,
Rosehill Poultry & Fruit Farm, Rosehill, N. C.

Black Langshans,
EXCLUSIVELY.
Winners 1st and 2d cock, 1st and 3d hen and 3d pullet, South Bend Poultry and Pigeon Show, South Bend, Ind., January, '98, S. B. Lane, judge. 1st cockerel 95¼, 1st pullet 95¼, 2d pullet, 1st, 2d and 3d hens and 1st breeding pen, South Bend Poultry and Pigeon Show, Dec., 1898, J. A. Tucker judge. Eggs from these winners for sale,
W. J. McINTYRE,
Lock Box 708, South Bend, Ind.

Cornish Indians.
Large Size, Grand Style, Standard color-markings Characterize my birds.
My superb stock, now reinforced by that of L. B. Richardson of Chicago, including his imported birds and prize winners, cannot fail to give very best results to my patrons.
WILL. S. TEMPLETON, Dakota, Ill.
Exhibition Birds a Specialty.
Absolute Satisfaction Guaranteed. 4-2

COLOR DISQUALIFICATIONS.

D. T. Heimlich, the well known judge, in the Fanciers' Gazette, strongly advocates disqualifying for color in certain of the standard varieties. He says: "These color disqualifications have given the amateur a favorable impression that the Standard makers and revisers are in earnest and honestly endeavoring to bring all varieties and breeds therein given recognition to a higher and firmer foundation of excellence, so that the party who has produced a lot of white in wings and tail of Partridge Cochins or Brown Leghorns males cannot pass them off on some innocent amateur as 'good enough' because they are from imported or a well established strain.

"Strong foundation blood in all breeds of standard poultry is essential in making them thoroughbred in all the word implies. A cotton under-colored Barred Rock is not and can never be as good a breeder even though his sire and dam were good in that respect, as one barred deep and well. White in plumage of all parti-colored fowls comes from indifferent selection of breeding stock. A weak constitution, poorly kept or badly conditioned fowl will often throw poorly plumaged chicks. Then again, chicks reared on a grassless lot, not kept free from lice or only fed one or two kinds of grain, often develop off-plumage due to lack of nutriment in the blood. The breeder who expects to show birds must furnish all that a fowl requires to keep it growing from the shell to the show room or breeding pen.

"The people, who pull feathers to save a cut for defects, will do the same should color disqualifications be eliminated from the Standard, so those who are so unprincipled as to work a disqualified specimen on a judge knowingly, trusting to some trick of manipulation to deceive—this class the fraternity soon get on to and they are looked upon by all honest breeders as fakers and tricksters not worthy of the people's support. These are becoming fewer every year and will finally be culled as scrubs whose membership is undesirable in any decent body of citizens."

MR. HAMM WILL RETIRE.

G. W. Hamm, of Battle Creek, Mich., the well known breeder of Buff Plymouth Rocks, is compelled by other business reluctantly to retire for a time from active work in the poultry line. He will, however, continue to breed Buffs to maintain his strain, and may be expected to return to the work, making it an exclusive business. For the balance of the season high-grade eggs from his famous stock will be half price, viz., $2.50 a sitting. There is still time to secure the advantage thus offered by him.

The Prairie State Incubator Co., Homer City, Pa., writes: "We have been doing a very satisfactory business this year. In fact, we have had a very considerable increase over previous years." That is gratifying intelligence, because this old and established concern makes one of the most successful incubators and brooders to be found in the world. The men connected with the work are responsible in every sense of the word.

THE IMPROVED **VICTOR INCUBATOR**

Hatches Chickens by Steam Absolutely **self-regulating.** The simplest, most reliable, and cheapest first-class Hatcher in the market. Circulars free.
Catalogue 4 cents.
GEO. ERTEL CO., Quincy, Ill.

1884 ♦♦♦♦ 1899

Skinner's Cochins
Thirteen Premiums on Buff and Partridge against the strongest competition in the world.
I also breed the choicest Light Brahmas, B. P. Rocks, Bronze Turkeys. The sharpest Grit, 50 cents per sack of 150 lbs ; 500 lbs for $1. Eggs $1 to $5. Send for Catalogue showing 20 birds by Photo. ***O. E. SKINNER, Columbus, Kas.***

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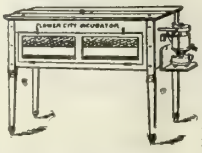

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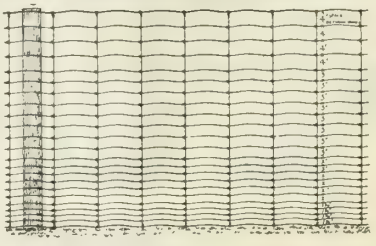
Flower City Incubator Co., Rochester, N. Y.

BARRED P. ROCKS
Exclusively.
My stock is a combination of Bradley Bros. and E. B. Thompson strains, grand in size, color and shape. Also two pens headed by prize-winning cockerels of that magnificent Knoxdale strain. Every bird in my yard is a grand individual and of the best blood in the world. Eggs, $2.50 per 15. Stock sold on approval.
L. H. EDWARDS, Lafayette, Ind.



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on a postal card and ask for description of Page Poultry Fence. They will surprise you; the large size of the wire and small size of the mesh.
Page Woven Wire Fenco Co., Adrian, Mich.

Hallock's Pekins
are among the first on the market, are sought for by the trade, command the highest prices and give the best of satisfaction in every way." And it's the same story in the show room—the proof is the long string of blue ribbons they've won at New York, Boston, Washington, D. C., and other shows. Breeders are now ready at money-saving prices. A free booklet gives the particulars.
A. J. HALLOCK,
Box A. Speonk, L. I., N. Y.

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BUFF ROCKS and BUFF COCHINS.
Up-to-date. Prize winners. Breeders score 90 to 95. During the remainder of season will sell eggs at half price, $1 per 15.
J. C. BROWN, LOCK BOX 17, CAMPBELLSBURG, IND.

EGGS from my "Golden Rod" BUFF ROCKS
Half Price the balance of the season.
100 CHOICE BREEDERS for sale at reasonable prices. Circular free.
W. C. DENNY, BOX J., ROCHESTER, N. Y.

REV. JOHN HUGHES, Table Grove, Ill.
White Plymouth Rocks.
Also Barred Plymouth Rocks and Buff Cochins. Stock as good as the best—no exceptions.

Remember,
We are still doing business at the old stand.
Filling orders for eggs and stock from our high class of Houdans, B. P. Rocks, W. Wyandottes, W. P. Rocks. Write your wants. We will use you right, for we believe its right to do right. Eggs balance of season, 13, $2; 26 eggs $3.50.
OLD HONESTY POULTRY YARDS. Rockford, Ohio.
Millet Seed $1 per bu.; 10 bu. $7. A. J. BARGAHISER, Prop.

The Best Clover Meal in the World
is that manufactured by the Jordan Milling Co. (*It is pure clover.*)
The Best Brooder on the Market
is the $5 Prize Brooder, acknowledged by all to be the best. Send for sample of Clover Meal and Catalogue.
JORDAN MILLING CO., Jordan, N. Y.

Heck Has Some
little White Rock winners that will be ready to face the Judge in September.
They Will Win for You
as well as for me, and you can have some at a fair price. They are the kind that have made Heck's strain famous.
FRANK HECK, Box 12, New Albany, Ind.
Sec'y-Treas. American W. P. Rock Club.

THE THREE ESSENTIALS.

"There are three things essential to raising good poultry: AMERICAN POULTRY JOURNAL, RELIABLE POULTRY JOURNAL and FARM-POULTRY. I would not miss a single issue. "GEORGE REEDER, Louisa, Ky.

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American Poultry Journal, . . .50.
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All three one full year for only $1.25 a year.
Address AMERICAN POULTRY JOURNAL, 325 Dearborn street, Chicago, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

COCHINS OF THE YEAR.

For five years it has been my pleasure to write of the Cochin fowls as found in the show rooms during the winter season. In doing this it is quite necessary to deal with facts as found, without extending favors to any. Several years ago we said Partridge Cochin females lacked many features that go to fully complete the finished Cochin. The warning was heeded, the question considered by those who produced the best, and today no one would harbor the average of the days of '93. One year ago we said the males of the Buff variety had gone back 160; today we record with pleasure the reverse. If by pointing out the shortcomings of the hour, good results are obtained, it proves the value of close pruning. Should the critic's eye prompt the pen to cut so close as to gently wound, close the gap by skillful breeding; not by ill-feeling for the truth stated.

The good fortune that made it possible for the writer to visit Chicago during the exhibition held there in January brings into consideration new factors in the Cochin world as we see it; and thus we may have the opinion of one who has seen about all the best of the year, and profit by his opinion in proportion to the value we may place on same.

The Buff Cochins of this year are far in advance of last, and in many ways they have improved more in proportion than in any two years since '93. The male birds of Oakland Farm are greatly improved in both shape and color. The color of wings is much improved and surface-color has advanced in like proportion. The most valuable male we have seen for years, considered from the breeder's standpoint is the second cockerel at New York. He could win almost anywhere against a strong class of cock birds. Their exhibit at Boston of eight in each class besides two pens and a display coop—in all about fifty birds, any one of which could have won for them at New York, tells their true quality. Their hens and pullets were by far the best yet shown.

After Oakland Farm, stands Elmwood Farm of Weston, New Jersey, and Lynnhurst Yards of Glassboro. The purchase of the McCormick birds by Lynnhurst, while adding to their stock has not brought them any advantage in quality beyond their own line of birds, proving our American methods in advance of our neighbors' for producing birds to please. The birds bred by Lynnhurst come closer to the true Cochin line. Birds bred at Elmwood have fine form and color and more nearly approach the type bred at Oakland than any other strain. Those bred at Elmwood are closer in hock. Those of the West who had birds at Chicago need not feel that all is in the East. The young male birds shown by Crescent Farm could stand the test of any show room; so could the hen and pullet shown by J. A. Tucker of Michigan. These as considered with us were by far the best in shape of any at Chicago.

Partridge Cochins have gone forward very fast. The fifty birds shown at Boston by W. C. Baylies of Taunton were a superb sight; males and females young and old vastly improved over a year ago. The colors of his females were very fine, and males far

better in all Cochin requirements. As yet no one has produced a line of Partridge Cochin males to equal those of Geo. W. Mitchell of Bristol, Conn. They are simply at the top and go on improving each year. They are not only good Partridge Cochins but good Cochins in every way.

In Partridge Cochin females the race was very close between the two, each showing a hen of high quality. Mr. Mitchell's hen was some larger in shape and fuller in breast. Mr. Baylies' hen was the finer in finish. Either might have won and neither feel aggrieved. They are the two best hens of their kind on earth, we believe. In pullets, Mr. Mitchell's birds had the better finish; Mr. Baylies' the size and feather. Both have good color on their females. Mr. Mitchell held the lead and the close of the show season has not taken from him the pleasure of being still in the lead on Partridge Cochins.

At Chicago, F. E. Baldwin of Ottumwa, Iowa, showed a line of Partridge Cochins of high quality. The cockerel, hens and pullets shown by him scored 94 and over. If these birds could have the conditioning they deserve they would show up in close comparison with the best.

White Cochins have not improved as we hoped they would. The destruction of the major part of Messrs. Brooks and Weld's flock of this variety by dogs, gave them a backset not soon to be regained. Others who have done well in former years have not gained in the past year as formerly.

Black Cochins have held their own. As usual, David A. Nichols of Monroe, Conn., brought forward some fine specimens. The hens owned by A. E. Swasey of Taunton, Mass., are grand good Cochins; and A. W. Lewis of Fall River has shown good improvement in his birds. The pullets have improved more than the cockerels in this variety. T. F. McGREW.

———o———

Mrs. J. H. Orebaugh, of Batavia, O., who is a breeder of Barred, Buff and Plymouth Rocks, Light Brahmas and Black Langshans, writes us that eggs are hatching well and young chicks were never healthier or in better condition and she is making a great success in selling young chicks; her price for same two weeks old being no more than most fanciers would ask for the eggs. A great reduction will be made on eggs for June; she also will have some bargains in last year's breeders. Mrs. Orebaugh is entitled to great credit for the success she has made in this business.

———

W. H. Scovil, East Lebanon, Maine, the well known breeder of Buff Rocks, Cochins and Cochin Bantams, does not believe in selling eggs at half-price, but offers two years' subscription to A. P. J. or one year to two names, with each egg order for balance of season. He pays express on all orders amounting to $6 or upwards. Send at once, and secure eggs in time.

———

C. J. Stuckey, of Mechanicsburg, Ohio, writes us he will sell Buff Plymouth Rock and Buff Leghorn eggs at $1.00 and $1.50 for 15 after June 1st.

———

The farmer who neglects his poultry throws away several hundred dollars a year.

Buff Plymouth Rocks, Only.

Now "Old Gl ry" proudly waves o'er Porto Rico; The Philippines are ours, and Cuba free;
Vast armies must be paid, you can meet the taxes laid, by breeding Burdick's Nuggets,
"don't you see."

My strain is well known as producing the winners at all the leading shows, Chicago, '99, included. Matings for 1899 surpass anything before attempted. Eggs that hatch, for March, April and May, $3 for 15. After May, eggs again half price. Breeding and exhibition stock always reasonable. Fifty fine breeding cockerels reasonable. Write ***H. S. BURDICK, Rome, N. Y.***

EGGS from B. P. ROCKS, B. LANGSHANS, and L. BRAHMAS.

Scoring up in the nineties, at $1.50 for 13, or $2.50 for 26. Mention this journal. Address,
E. B. MORGAN & SON, LODA, ILL.

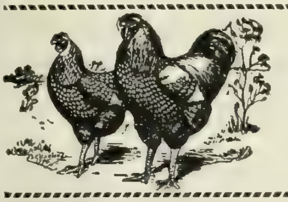
WHITE SILVER **WYANDOTTES** GOLDEN BUFF

"As good an average flock as any breeders." No more stock for sale. No more Buff Wyandotte eggs. Fertile eggs from White, Silver and Golden $2 per sitting. If you sre interested in knowing "the hen that lays the egg" drop us a card. **MAPLE CITY POULTRY YARDS,**
F. M. GRIER, Prop., Box C., Charlotte, Mich.

BUFF ROCKS —Winners at Indianapolis for years. Eggs $2 per 15; $5 per 40. Also Brown Leghorns, winners for 10 years. Eggs $1.50 per 15; $2,50 per 30.
ED. B. MURPHY, Box B., Carmel, Ind.

1885 —IF YOU WANT THE BEST —1899

Bronze Turkeys, Barred P. Rocks, White Wyandottes, Buff P. Bantams and Embden Geese, write me for prices. I also breed prize-winning Oxford-Down Sheep. Mention A. P. J.
W. N. SMITH, Ohio, Ill.



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Golden, Buff and Partridge.

Winners at Chicago, Washington, D. C., Davenport, Iowa, The great Mid-continental, Kansas and Nebraska state shows. Stock and eggs for sale. Send stamp for catalogue to

W. A. DOOLITTLE, Box 399, Sabetha, Kans.

PHELPS'

OHIO VICE-PRES. AMER. BUFF WYANDOTTE CLUB.
MEMBER OF " " PLY. ROCK "
" " " " LEGHORN "

BUFF PLYMOUTH ROCKS,

Breeders score 90 to 94. Golden buff to the skin.

BUFF WYANDOTTES and BUFF LEGHORNS.

Eggs $2 per 15, eight chicks guaranteed. Circular tells all about our stock and show record
E. A. PHELPS, Austinburg, Ohio.

Buff Leghorn Eggs from pens headed by cockerel 92¾ and females from 91¾ to 92¾ . . . . . .

SOLID BUFF, no white or black in plumage.

All Customers Satisfied and $2 for 15 Good Hatch Guaranteed.

WILLIAM RUDI, - - - - - Bourbon, Indiana,

5c Each, Eggs 5c Each.

For balance of season from my best pens of prize winners.

Buff and Barred Ply Rocks, Buff and Brown Leghorns, Blue Andalusians.

Circular free.

B. F. PARSONS, Edwardsburg, Mich.

MITTENDORFF'S BUFF PLYM. ROCKS

Eggs for May and June.

Yard 1—$3 per 15
Yard 2—$2 per 15

Order at Once.

L. W. MITTENDORFF,
Lincoln, Ill.

RIGG'S LINE BRED SINCE 1874 HOUDANS

Matings for 1899: The noted Sire and unbeaten Show bird, ***ST. ELMO,*** weight 8½ pounds, score 95¼, is Pr mier at ***Le Bocage, Imp.,*** cor 93½, ou first prize cockerel at Chicago, 1899, and sons o ***ST. ELMO*** scoring 94, 94½ and 94¾, also do service. Each and every female in t ese several p ns are ***Above Standard Weight,*** and grand in markings, style and finish.

EGGS FOR HATCHING.

The em tines mus . n the very nature of things, produce something extra choice—the ***Large, Dark, Typical Houdans*** so much desired. It has been the record of this strain for more than a quarter of a century. Prices, $3 per 13; $5 per 26; $7 per 40.

THOS. F. RIGG, Iowa Falls, Iowa.

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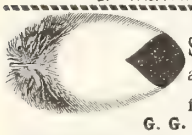
WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

BLACK MINORCA
B. P. ROCK { **Eggs.**

Will sell eggs from above varieties this season at $1.25 per 13. No stock till fall.
J. W. BELL, Chetek, Wis.

BANTAMS—Golden Sebright, Silver Sebright, Black African, White Rose-comb, White Polish, Black Cochin, White Cochin, Buff Pekin, Black Tail Japanese, Red Pile Game, Black Red Game, Golden Duckwing Game, Silver Duckwing Game, Cuckoo Cochin. Eggs $1.50 for 13. H. D. & H. P. TAYLOR,
274 Warren ave., East, Detroit, Mich.



WHERRY'S
Silver Spangled Hamburgs
are unexcelled in America. Show birds that can win for sale.
G. G. WHERRY, Galena, Ohio.

EGGS FOR SALE.
From two choice pens of **Barred Plymouth Rocks**
At $1.50 per 15. Satisfaction guaranteed.
E. F. PEIRCE, Catawba Island, Ohio.

Housewives and Poultrymen, $1 rids hens of vermin. No dusting or painting roosts just place them in the nests as nest eggs; they evaporate, the odor drives the lice and mites away in ten days is our guarantee. Agents wanted everywhere. Canvassing sample, 12 eggs $1, and descriptive circular free. Address
NETHAWAY & MILLER, Wahoo, Neb.

I Breed
Barred Plymouth Rocks,
WINNERS AT WENONA—1 ckl.; 3, 4 pullet 1 breeding pen.
Pekin Ducks and Buff Cochins.
Stock and eggs in season. All inquiries promptly answered.
THOMAS McKEE, Box 142, Washburn, Ill.

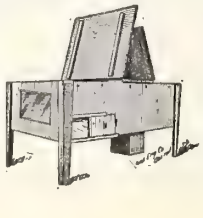
EVERYTHING
FOR THE POULTRY INDUSTRY
from a leg band and poultry bit to an incubator, will be found in our Free Illustrated Catalogue of
POULTRY SUPPLIES.
We have on hand the finest quality of prepared second crop cut clover hay—the great winter green food, $1.75 per 100 lb. sack. Send for catalogue to-day.
HARVEY SEED CO. 30 Ellicott Street, Buffalo, N. Y.

GROVER & GROVER,
CONCORD, MICH.,
Breeders of
WHITE AND BUFF PLYMOUTH ROCKS,
and Black Javas.
Won highest honors at the great Chicago show on White Rocks and Black Javas. Send for record. Eggs $2 per 13; ½ price after June 15.

Wilson's Buff Ply Rocks are world renowned winners. They are line bred, and show strength of blood in progeny. Customers are like successful in this country and England. If ambitious to lead, let me aid you also, with birds or eggs.
EGGS $5 for 13; $8 for 26; $10 for 30.
J. D. WILSON, Box 127 A, Worcester, N. Y.

Empire State Farm.
BROWN LEGHORNS.
CATALOGUE. **ROCKS,** Buff and White.
GEO. H. BURGOTT,
BROWN LEGHORN SPECIALIST,
NEW YORK AND BOSTON WINNERS. Lawton's Station, N. Y., U. S. A.
Eggs for Hatching, $2 per 13.

THE OLD HOME-STEAD BROODER
will care for 100 chicks until they are old enough to go to the roost; the simplest, cheapest and best Brooder made. Circular free. L. BROWN,
Middleboro, Mass.



BIRDS AND THE CAMERA.

W. F. Lane, editor of The Game Breeder, Montrose, Pa., writes: "I was glad to see your article on poultry illustrations. I believe in following Nature's work. A half-tone cut made from a photograph of a good bird gives the natural look and expression. It is not easy to get a good photograph. The suggestion of one writer to make a coop for the bird would, I think, be impracticable. I have found my way to serve well. Take the bird to the gallery. Have everything ready, with the camera focused where the bird is to stand. Place the bird and show it its reflection in a looking-glass. Then touch the button. But if the bird is a Game, look out for the glass!" (A fine specimen is sent us to prove the excellence of this work. The bird has a lifelike pose and is full of action and fire.—Ed.)

PLEASURES OF A BREEDER.

A well known advertiser sends us a letter which he recently received. It needs no comment. We omit address and name:

"Please will you be so kind and send me a pair of black tailed Jap Bantams, for I will not send the money ride away because I am afraid you will cheat me. I want some fore a dollar or rather some fore 2 dollars. Send me a pair of good ones, good layers and they must be fine. Please send them don't need to be afraid I will not send you the money don't be afraid I will send you the money soon as I get them: Send to ——."

Help the organizers of poultry shows to make a success. This is not only a duty but a profit. Exhibitions are the surest means of creating local sentiment in favor of better poultry. Hundreds of persons in every community do not realize the value of poultry as a source of wealth. It is safe to say that hundreds of people in every town do not even know that annual exhibitions to the number of nearly 200 were held last season. In this estimate we do not include the fall shows or the county fairs. The poultry business can be increased by fostering an interest in and a knowledge of the work, through the establishment of local societies.

B. F. Parsons, of Edwardsburg, Mich., writes that he has about 500 chicks out and is through sitting for this season and is thereby enabled to offer a specially low price on eggs, which he has made in his ad in this issue. Mr. Parsons says he never had stronger chicks than this season and the smallness of loss since hatching has been really marvelous. The egg that customers will get from him from now on will be just the same as those sold at former prices. Mr. Parsons makes a specialty in care and packing of eggs.

O. E. Skinner, Columbus, Kan., reports a good hatch despite a wet spring. He has demonstrated that Partridge Cochins are good winter layers and early hatchers. His correspondents complained of indisposition of hens to set, but he had very little trouble. He is a good man to keep in view for fall birds of this breed.

Eggs From Prize Winners.
White Holland Turkey eggs $2 per 11. White P. Rock, Golden S. Bantam and White Guinea eggs $1.25 per 13; $2 per 30.
A. Z. COPELAND, Potomac, Ill.

WHITE WYANDOTTES,
and Nothing Else.
Eggs from my best pens 13 for $1.50. Satisfaction guaranteed. My stock is large, vigorous and white. No better any place.
G. C. FLEGEL, Westville, Ind.

Poultry Supplies.
Bone Meal, Oyster Shells, Lime Stone Grit, Ground Charcoal, Beef Scraps, Broken Crackers, Caponizing Sets, Poultry Markers, Drinking Fountains, Lambert's Death to Lice, GREEN BONE CUTTERS, Poultry Wire Netting, Feed Mills, &c. Send for reduced price list.
J. H. SLACK, Mfr. Poultry Supplies,
Box 210, Bloomsbury, N. J.

GOLDEN WYANDOTTES, Exclusively.
"The beauty bred." All stock of high merit. Product of our 1898 matings finer than ever. At Illinois State Show 1898 won 1st cockerel, 2d cock, 1st and 3d hen, 3d pullet and 2d pen. At Springfield, Ill., Jan. 1899 won every first prize in the class, including 1st, 3d and 4th pullet. Some choice cockerels for sale; no more females to offer until September. Will furnish settings from three grand matings after March 1 at $2.50 pr. 15.
C. P. NELSON, (Prairie View Farm) Danville, Ill.

HOUDANS, Exclusively.
Eggs now in season, $2 per 15 or $5 per 45. Good results guaranteed. The egg trade a specialty—Five fine pens, 45 extra good breeders, special matings. I have the Chicago winners, the Michigan winners and the $25 cup. Have only a few ckls. left at $2 to $5 each. President of Am Houdan Club. Send for new illustrated circular, covering 7 years continuons winnings.
FRANK W. McKENZIE, Concord, Mich.

BUFF.
Rocks, Wyandottes, Cochins, Cochin Bantams and White P. Rocks. Buffs score well up in the nineties and White Rocks from 92 to 95. Eggs, $2 per 13; $3.50 per 30. Also choice pedigreed Collie pups for sale at a bargain. Satisfaction to all. Address, with stamp for business,
A. F. ACKLEY, Box 447, Woodstock, Ill.

Silver Laced Wyandottes.
We are breeding the S. L. W. exclusively and have mated for our first yard this season a 93 point cock, scored by Pierce, with females ranging in scores from 92 to 94½. Second yard, a 91½ point ckl, with females each with a score of 90 or better. Eggs from first yard $2 per 13; second $1.25 per sitting.
W. L. MILLS, Clear Creek, Ill.

FREE—My Vest-Pocket Poultry Book.
Eaton's Poultry Pills
make healthy fowls.
My Buff Leghorns are Beauties.
Eggs only $1.50 per sitting.
W. H. Eaton, West End Poultry Yards, Jackson, Mich.
Jackson Poultry Show, Dec. 18 to 22, 1899. I. K. Felch, Judge.

Blood Will Tell
This is to a greater extent true of poultry than any other kind of live stock. If you seek a permanent and profitable poultry business you must start right. BUY ONLY THE BEST.
We Sell Blue Blood
of the following varieties:
B. Langshans, B. P. Rocks, Light Brahmas, S. C. Brown Leghorns, Partridge Cochins and Pekin Ducks.
We have for sale a number of select females of each of the above breeds which we are now offering at very reasonable prices. During the summer season
we will sell eggs for hatching at greatly reduced prices.
Write for what you want; we can supply you and satisfy you in every particular.
CONTINENTAL POULTRY FARM Box A, Belleville, Ill.

FROM THE STAR INCUBATOR CO.

To the Editor:—We have been too busy sawing wood to before this take the time to answer Mr. Campbell's letter in your April issue, in which he tells us how much he knows and how little we know. We don't lay claim to knowing it all; don't aspire to know as much in a few years as Mr. Campbell has been gathering in his many years in the incubator business; but we think we do know enough to build an incubator that will hatch and give more than satisfactory results to our customers and fulfill every claim for it. We think we do know enough to try to get trade without telling how much we know and how little our competitors know. What we do know is: If Mr. Campbell wants to demonstrate that the incubator he builds is so much better than the Star let him deliver six of them without marks or numbers to the Editor of this paper f. o. b., Chicao, and we will do the same, the machines then to be sent to six of the different experimental stations in the different states and be run there for a year and have the reports published in this paper. We don't want average weather for our machines, and if we did I guess we would not get it, judging from the past six months.

L. S. BACHE.

Bound Brook, N. J.

(We admit the foregoing because Mr. Campbell's article seems to have been misunderstood. We do not wish to engage in the test proposed by Mr. Bache, but will publish any report derived from such a competitive trial, if one is made. Our good friends in the incubator trade naturally get above 103 degrees whenever their systems are criticised; but we believe that such articles as Mr. Campbell's stimulate interest in all machines. We have no personal feeling towards any one to the detriment of another.—Ed.).

VALUE OF CAPONS.

To the Editor:—It seems to me that the excellent prices obtained for capons this season just closing should be convincing evidence of the wisdom of engaging in that branch of the poultry industry, and particularly to those engaged in the production of poultry for food purposes. The raising of capons in any part of the country, properly and intelligently done, will handsomely compensate the workers; but here in the grain belt, where the production of meat is the great industry, capons will pay best of any variety of fowl meant to be used as food. This branch of the poultry business needs to be fully discussed and examined. It is fundamental in its character; that is, it rests upon a permanent base of support—the food supply. It is a new and fertile field of profit.

D. D. SHIRLEY.

C. M. Davidson of Chicago Lawn, Ill., in sending in change for ad, writes: "Have had exceptionally fine luck in getting out good hatches this season and am now stocked with all the young chicks it will be possible for me to handle in the present quarters. I therefore decided to make a cut from my regular prices and offer eggs the balance of season for one-half, as an extra inducement to new trade." Note his ad in another column.

J. B. FOOT.

PRICES TO MEET THE TIMES.

I never had better birds in my yards than at present time. They MUST breed WINNERS. My specialty—Light Brahmas, Partridge Cochins, Barred P. Rocks and Black Langshans. Large and beautifully marked. A few grand Light Brahma yearling cocks and P. Cochin cockerels at $2 and $3 each. Winners wherever shown. Send for illustrated circular. Mention A. P. J.

J. B. FOOT, Norwood Park, Ill.

Lake's Special Offer for May.

For 50 cts. We will send a half-gallon can of *Lake's Lice Exterminator,* which will rid your housesand birds clear of lice and mites in a few hours by painting the roosts, drop boards and nest boxes; and a half-pint bottle of *Lake's Poultry Tonic,* which prevents and cures bowel trouble, roup, cholera and indigestion; it is also the greatest egg producer and conditioner for poultry known.

For 75 cts. We will send a one gallon can of *Lake's Lice Exterminator* and a half-pint bottle of *Lake's Poultry Tonic.*

Send for a sample order and if suited take the agency in your vicinity. Address,

G. W. LAKE,
Gen. Manager.

LAKE REMEDY CO.,
St. Louis, Mo.

White Cochins | Black Langshans | Single-Combed Brown Leghorns
Barred Plymouth Rocks | Light Brahmas | Pekin Ducks
White Plymouth Rocks | Cornish Indian Games | Bronze Turkeys

Bred at Poplar Farm
Mahomet, Illinois.

Write R. D. Burnham, Champaign, Illinois, Sup't Poultry Exhibit of Champaign County Fair Association for premium list for 1899 exhibit.

ALL stock is farm raised from pens mated to secure best results. We do not have as many birds as some but every pen is carefully culled and nothing but the best are retained for breeders. All eggs will be carefully packed and safe arrival guaranteed. All inquiries should be addressed to

Edward Kuster, Sup't, Mahomet, Ills. R. D. BURNHAM, Owner. Champaign, Ills.

None Better, If as Good.

12 Bargains.

I have for sale **12 Buff Cochin Hens** that will ornament any show room and win a large share of the prizes. The fact that they are of my noted "**GOLD DUST STRAIN**" will sell them, aside from the individual merits of each bird. Remember, I only have twelve for sale and it will be necessary for you to write quickly if interested. Address

T. F. McGREW, 1267 Broadway, Room 7, New York City.

"THIS IS IT."

The Utility Farm of the Age.

Plainfield Poultry Farm Co., Plainfield, N. J.

THE HOME OF

Corby's S-C. Wh. Leghorns.

The great winter laying strain.

Hundreds of youngsters bred this year from our Madison Square winners. You order—we guarantee satisfaction.

Also breeders of White Wyandottes, White and Barred Plymouth Rocks, Pekin Ducks. Circular free.

S. B. CORBY, Mgr.

Buff P. Rocks, Sing e and Rose-comb Buff Leghorns; my own "ORANGE STRAIN exhibition and breeding birds now for sale at right prices. Write, L. B. HANNA, Columbus City, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

STATUS OF THE WYANDOTTE.

The Wyandotte is evidently gaining in popularity among breeders, both as an exhibition and a utility fowl. Attention is called to the proof of this statement furnished by judges who have visited the leading shows during the past season. The Journal alludes to this not because of private interest in Wyandottes, but because of an indisputable fact. All thoroughbred fowls are treated with impartial consideration in these pages. We note the list of entries at the Boston show the past two years and are obliged to admit that the Wyandotte is giving the Plymouth Rock a hard run for place. This evidence need not arouse a more hostile feeling than is naturally engendered by amiable competition. Both breeds are strictly American. Admirers of Rocks will not abandon their favorites, and advocates of the Wyandottes will work all the more energetically to hold first rank. Good will thus result to each.

In 1896 there were entered at Boston 367 Plymouth Rocks, viz.: Singles—Barred, 110; Buff, 37; White, 70; pens, 30. There were 354 Wyandottes, viz.: Singles—White, 71; Buff, 37; Silver, 49; Golden, 32; pens, 33. This showed 13 more individuals in the Rock classes. In 1899 the entries were: Rocks—Barred, 87; Buff, 54; White, 67; pens, 23; total specimens, 323. Wyandottes—White, 117; Buff, 43; Silver, 37; Golden, 38; pens, 36; total specimens, 415. Here were 92 more Wyandottes than Rocks; a falling off of 68 Rocks and a gain of 86 White Wyandottes.

The National Wyandotte Club of America was formed in 1898, with J. H. Drevenstedt president. He was re-elected this year. The vice-president is J. E. White; the treasurer-secretary C. S. Mattison. The directors are Arthur G. Duston, S. E. Gosner, F. L. Mattison, Jesse Moon and F. A. Smith. The club is national in character. It does not conflict with specialty clubs which advocate a variety. The fee is $1, which may be sent to C. S. Mattison, secretary, South Shaftsburg, Vt.

THE NOR'-WEST FARMER'S SPECIALS.

The proprietors of The Nor'-West Farmers have kindly offered two handsome gold watches as special prizes at the next annual poultry exhibition. One watch will be given for the pen of fowl, consisting of one male and three females, making the highest score. The other will be given for the pen of turkeys, consisting of one male and two females, making the highest score. In each case the association will offer a suitable second prize. Competition is restricted to members of the household of a farmer living upon and working a farm in Manitoba or the Northwest Territories during 1899. All birds must be hatched and grown in these provinces in 1899.

RIEL'S PIGEON CATALOGUE.

A very handsome pamphlet catalogue has been issued by J. M. Riel & Son, 122 Cortez street, Chicago, breeders of English Runts and Hominy Pigeons. We cordially commend these gentlemen to the pigeon-fancying public.

Eggs Sure to Hatch

—the kind that will produce **strong, vigorous chicks,** depend upon the vitality of the hen that lays them. She must not be fed on **heating, debilitating food.** Really the best thing for the breeding hen is our

PIONEER CLOVER MEAL.

It makes young chicks grow rapidly. Wonderful for broilers. Makes sweet, tender, high-flavored flesh. It is made from clean clover hay, cured by our own special process so as to preserve all the bright green color and the delicious aroma and essential oils. It is ground into the finest meal by our powerful and specially designed machinery. **No additions, no adulterations,** but **clean, pure, sweet and wholesome poultry food.** Then, too, it is quite cheap—only costs: 50 lbs. $1; 100 lbs. $2; 5 lbs. 25c. Use it this winter and get eggs when eggs are worth money. Sample and editorial indorsements **FREE.**

The Bennett & Millett Co., Box A, Gouverneur, N. Y.

Winners.

Our birds won the best prizes wherever shown during the past winter and the superior matings in our breeding yards this season have produced stock that can and will win at the coming winter shows and fall fairs. Do you want such stock? LARGEST POULTRY PLANT in Ohio. This country's best Turkeys, Geese, Ducks, Chickens, Guineas, Peafowl, etc., etc., etc. Address

CHAS. McCLAVE, 416 Ashland st., New London, Ohio.

DON'T BUY A PIG IN A POKE.

Don't buy any Incubator and pay for it until you have given it a thorough trial.

Some Incubators are made only to sell and were never intended to hatch chickens.

WE SEND THE **Von Culin Incubators** ON TRIAL

and you pay for them only when fully satisfied. They are the easiest to handle; a child can run one successfully. We send the largest catalogue and best treatise on incubation and poultry culture published for 5c. **Plans for Brooders, Poultry Houses, etc., for 25c.**

VON CULIN INCUBATOR CO. 2 Adams St. Delaware City, Del.

A Popular Combination.

We will send you AMERICAN POULTRY JOURNAL, one year, and Geer's Poultry Book,

"The Chicken Business, How to Make it Pay,"

post-paid for 60 cents. Try it.

AMERICAN POULTRY JOURNAL, 325 Dearborn st., Chicago, Ill.

Rose-comb Br. Leghorns.

PRIZE WINNERS AT CHICAGO 1898-99.

My matings this year beat everything ever attempted before and will surely produce high scoring prize winners. Now is your chance to hatch exhibition birds at a low price. All my male birds have that rich, brilliant red color and the distinct black stripe in hackle, back and saddle which the Standard calls for. Egg orders booked now at $1 50 per sitting. Can also spare a few sittings of Rose-comb Buff Leghorn eggs. Satisfaction guaranteed.

GEO. STAHMER, Lathrop ave., Oak Park, Ill.

HEIMBERGER'S LANGSHANS.

= = 1899 = =

2 Silver Cups 2 In Two Weeks.

Awarded for the highest scoring Breeding pens at New Albany, Ind., and Louisville, Ky., all varieties competing. At New Albany, Ind, I. K. Felch, Judge, I received 1st, 2nd and 3rd on cockerels, with scores af 96, 95. 95. I had eight (8) pullets and hens scoring 95 points each. My first pen scored 191 and second 189¾. At Louisville with a different lot of birds my best pen scored 189¾ by Judge Bridge and won Silver Cup for highest scoring pen in the Show, all varieties competing. My records speak for my Laugshans and these last victories are unequaled by any breeder in America. Choice cockerels for sale. ***Black Langshans exclusively.***

Eggs $3 per 13. Address

ADAM HEIMBERGER, New Albany, Ind.

CRESCENT FARM, ***KENT, OHIO***
Box A. U. S. A.

BARRED and BUFF Plymouth Rocks,

Buff Cochins, White Leghorns.

Eggs From Winners, $3 per 13.

Send for catalogue to-day.

REV. HENRY M. LADD, Prop.

Address ***E. T. BLOOD, Mgr.***

EMPIRE STRAIN WHITE PLY. ROCKS.

No Culls. Eggs and stock all the year.

B. P. Rocks, Buff Wyandottes, Buff Cochins.

Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

E. M. DURHAM, LaPlata, Mo.

BUFF ORPINGTON'S welcomed to America.

England's most popular fowl. Wonderful egg producer. Madison Square, N. Y., 1st pen, 3rd and 4th pullets. Boston, 1st cockerel, 1st pullet. Mt. Gretna, Pa., 1st cock, 1st hen, 1st cockerel, 1st pullet. Catalogue tell the others. Eggs from imported stock, $3.00 per 13, $6.00 per 30. White Wyandottes and Buff Rocks $1.50 per 15, $3.00 per 30. Stock for sale. Satisfaction guaranteed. Circular free.

C. E. VASS, Washington, N. J.

Welch's S-c. B. Leghorn. Prize Winners . . . Wherever Shown.

Celebrated Brace and Walling Strain.

Have bred them 7 years. None better. *Chicago Winner*, cockerel in 1898 to head my yards mated to pullets scoring not less than 93. As a cock he won 1st prize at Cent, Mich. show 1898, score 93½. Breeding stock for sale at reasonable prices. *Eggs $2 per sitting from pen No. 1; 2 for $3.50; 3 for $4.50* From other pens, *$1.50 per sitting; 3 for $3.50. Satisfaction guaranteed.*

J. C. WELCH, WEBB CITY, MO.

DAVIDSON'S LIGHT BRAHMAS Are Winners

At Mason City, January 24—27—1899 2d cockerel, tied 1st. Also two of my birds tied for 3d, the heavier winning. No pullets exhibited. Birds for sale with score cards by Shellabarger and Shaner. Eggs for sale, $2 per 13 Prices of stock way down. Mention A. P. J.

U. GRANT DAVIDSON, Manson, Iowa.

1876 Eggs $1 Eggs $1 1899

From prize winning Light Brahmas, Buff Partridge and White Cochins; **Buff**, Barred and White Plymouth Rocks, Silver and White Wyandottes, Houdans, W. C. B. Polish. 23 years' experience. All high scoring birds. Eggs carefully packed in baskets to carry safe any distance, $1 per 13. **L. BAIRD & CO., Eureka, Ill.**

Walnut Grove Poultry Yards

Barred Plymouth Rocks, Exclusively,

Seven breeding yards for 1899 composed of prize winning males and females. Male's score 91 to 93. Females 90 to 94½ by Shellaburger, Snyder and Pierce. 50 cockerels and 75 pullets. Good breeders for sale. Cards by authorized judges. New illustrated circular ready February 1st. Get one before placing your egg orders; free if you mention A. P. J. Satisfaction guaranteed.

O. L. KING, Walnut Grove, Ill.

GEER'S EGG PLANT.

1884 - EGGS! EGGS! - 1899

Choice S-c. Brown Leghorn and Barred Plymouth Rock eggs, $1.50 per 13. Fair reduction on large orders. Healthy fowls, hardy chicks, and satisfaction to customers is my endeavor. Egg Circular FREE.

H. B. GEER, Nashville, Tenn.

Lowest-cost First-class hatcher made fertile eggs at less cost than any other Hatcher.

Hatch CHICKENS

WITH THE **EXCELSIOR INCUBATOR**

Simple, Perfect, Self regulating. Thousands in successful operation. Guaranteed to hatch a larger percentage of

WITH THE **Wooden Hen**

Most efficient small incubator ever invented. Perfect in every detail. Just the thing for poultry raising on a small scale, 50 egg capacity.

Catalogs Free.

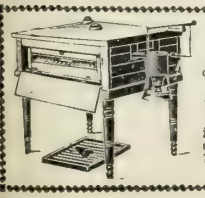
CEO. H. STAHL, Patentee and Sole Manufacturer, 114 to 122 S. Sixth St., QUINCY, ILL.

ROUP CURE GUARANTEED, ROUP

CONKEY'S ROUP CURE—the only remedy positively known to cure Roup in all its forms as long as the fowl can see to drink. Simply put the cure in drinking water and the fowl will take its own medicine. **For Canker**, especially in pigeons, this remedy excels all others. One 50c package makes 25 gallons of medicine. **Directions** with every package. If this fails to cure we refuud the money. Postpaid, small size, 50c; large size, $1. Petaluma Incubator Co., Petaluma, Cal., Pacific Coast Agents.

AGENTS WANTED. **G. E. CONKEY & CO., CLEVELAND, OHIO.**

Please mention this paper. Do not send stamps.



YOU CAN'T FAIL

of **complete and entire success** in the poultry business, if you only **start right.** A right start means the use of the right incubators and brooders.

THE NEW SAUMENIG HATCHER

is the acme of simplicity, utility and durability. Made in four sizes, from 50 to 300 egg capacity. Perfectly automatic in every way. Tank and pipe brooders capacity 75 chicks upwards. Don't buy until you get a copy of our **FREE Catalogue.**

THE SAUMENIC HATCHER CO. Box 26 Springfield, Ohio.

THE COMBINATION INCUBATOR

is the latest and best thing out, made by the oldest and most reliable incubator factory in the U. S. We call this the incubator of our life, because we have had to accomplish two hard things in making it, best quality, lowest price; either one singly is easy; both combined—well, we do not need to say it was hard to do. But we have done it. If you are interested write for particulars. Book on roup, how to cure and prevent, 50 cts. Testing and hatching chart, $1; both at once, $1.25. 100-page catalogue of incubators and brooders, 5 cts. or stamps

J. L. Campbell,

West Elizabeth, Pa.

BRABAZON'S POULTRY CATALOGUE FREE!

It's a beauty; over 50 colored plates. Illustrates and describes fine Turkeys, Geese, Ducks and chickens; gives prices of fowls & eggs of **Finest** Buyer's Guide published. Inclose 10c. for postage, etc.

J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

A. Z. COPELAND, Potomac, Ill.,

Breeder of White Holland Turkeys, White Ply. Rocks, Golden S. Bantams and Poland-China Pigs of best blood. Nothing but good stock shipped.

HENS LAY BEST

when provided with Egg-making food. Our Prepared Meat, Granulated Bone and Oyster Shell are actual Egg producers. Our Oyster Shell Meal and Bone Meal especially adapted to incubator chicks. Eight sample bottles in case by mail for $1. Splendid opportunity for bright women to make money. Write for particulars.

FITCH FERTILIZER WORKS, Bay City, Mich.

D. F. TAYLOR,

"The White Rock Man."

Thirteen years a breeder of "The Empire Strain" of White Plymouth Rocks and White Wyandottes, the two best utility fowls. Winning more firsts and specials on these two varities than any breeder. Quality regulates prices. Show birds a specialty. No circulars. Eggs, $2 per 13; $5 to $8 per 100, according to season.

D. F. TAYLOR, DeRuyter, N. Y.

Our Southern Home.

A 60-page monthly journal, at 50 cents per year, devoted to Immigration, Southern Poultry Breeding, Bee-Keeping, &c. Also a chapter on gold, mica and other mining each month in North Carolina. Lands and small farms to exchange for poultry, live stock or cash. Send two one cent stamps for sample copy. Address

M. H. PRIDE, Publisher, Mount Holly, N. C.

MONEY IN HONEY!

The Weekly American Bee Journal Tells all about it.

Sample Copy Mailed Free

G. W. YORK & CO.

118 Michigan St., CHICAGO, ILL.

Fancy Pigeons For Sale.

Pouters, Archangels, black, white and blue Fantails, black, white, blue, yellow Muffed Tumblers, Black and Red Magpies, Red Jacobins, Black Trumpeters, Black Swallows, yellow and light blue Helmet Tumblers. I just received 24 prizes on 25 pairs of my pigeons at the largest poultry and pet stock exhibition held in the West at Cedar Rapids, Iowa, 500 pigeons in competition. I also won the Niles special prize and sweepstakes for finest collection of fancy pigeons. Prices way down. Address

P. NEWCOMB, box 355, Cedar Rapids, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

EGGS AT HALF PRICE

After June 1st I will sell Eggs from my Best Pens at $1.50 per 13.

Any Judge will tell you that Damon's Barred Plymouth Rocks and S-c. Brown Leghorns are Right.

The birds NOW in my yards have won over 40 prizes and EVERY MALE IS A WINNER. Judging from the quality of the chicks results will be better than ever, that's saying a a great deal. It's not too late yet to get some good stock for the winter shows.

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AT NEW YORK, FEBRUARY, 1898,

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Win all the **Sweepstakes Cups and Trophies**, including the **Superb Challenge Trophy** for best cock, cockerel, hen, pullet and exhibition pen; **$100 Sterling Silver Cup** for finest exhibit; **Grand Special Sweepstakes Cup, value $100**, presented by the President, for best cock, cockerel, hen and pullet, **any variety**. My **Clean Sweep of 1st, 2d, 3d, 4th and 5th Prizes on Pullets** has never been approached in Madison Square Garden, and stands **alone** and **unequalled**. The record of both **1st and 2d** on breeding pens was also **phenomenal**. At **Madison Square Garden, 1895, 1896 and 1897**, my Barred P. Rocks won nearly **three times** as many 1st prizes as any other exhibitor. **GRAND STOCK** for sale. **EGGS** from finest exhibition matings: 1 sitting, $5; 2 sittings, $9; 3 sittings, $12. Richly illustrated catalogue on application. Address **E. B. THOMPSON, Box 510, Amenia, Dutchess Co., N. Y.**

Mammoth Bronze Turkey Farm,

Home of the Famous

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which have won more first prizes in the past four years than all competitors combined. That too in the hottest of contests. They won **SWEEPSTAKES** at the great **SILVER CUP SHOW** at Kokomo in a class of **TWENTY-TWO BIRDS.**

A clean sweep at Indianapolis great show—1st on young tom; 1st, 2d and 3d on hen; 1st, 2d and 3d on pullet; 1st on pen and special prize for best display. January, 1899, eighest honors at four other shows.

All Eggs at half catalogue prices after June 1st. Bronze Turkey eggs $2.50 per 12. Eggs from fine Exhibition B. P. Rocks only 75c per 15; $1.50 per 30; $4 per 100. Write at once before they are all gone.

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To reduce my stock of breeders I will sell some extra fine birds at a great bargain.

Will sell single birds, trios, pairs and pens. Send for circular describing birds offered for sale, and remember

FISHEL'S

White Plymouth Rocks

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You Will Find It on Page 303. Don't Miss It.

Vol. 30. July, 1899. No. 7.

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Black Langshans, Light Brahmas.

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Breeder and shipper of the following:

Light Brahmas, Buff Cochins, Barred Plymouth Rocks, S L. Wyandottes, White and Golden Wyandottes, Black Minorcas, Silver Spangled Hamburgs, R-c. W., R-c. B. and S c. B. Leghorns, Buff Turkeys. Eggs in season

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Black Langshans,
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will care for 100 chicks until they are old enough to go to the roost; the simplest, cheapest and best Brooder made. Circular free. L. BROWN,
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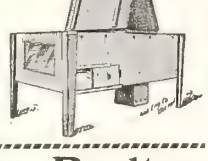

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Write for circular. Mention this paper.
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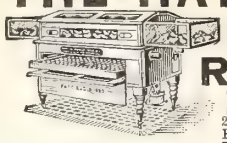

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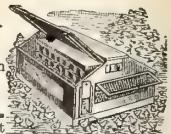

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Pigmy Pouters, Fantails, Tumblers of various kinds, Turbits, Magpies, Swallows, etc.

My stock birds are from the best breeders. Prices reas nable and birds sold on approval.
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We are still doing business at the old stand.

Filling orders for eggs and stock from our high class of Houdans, B. P. Rocks, W. Wyandottes, W. P. Rocks. Write your wants, We will use you right, for we believe its right to do right. Eggs balance of season, 13, $2; 26 eggs $3 50.
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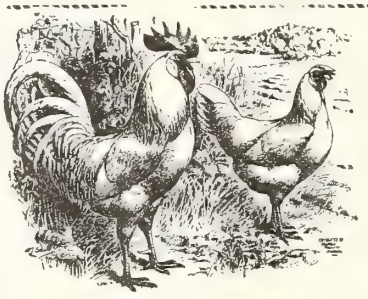

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Large illustrated and descriptive circular free. Address

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EGGS in abundance from 3 pens each breed and prize-winner matings.

BUFF P. ROCKS, 15 for $3; 30 for $5. From prize pen. And from pens Nos. 2 and 3, 15 for $2.

LANGSHANS, 15 for $2 . . . . All exhibition Stock.

Buff males score 92½, 92, 92. Females score 93½ to 91½.
Langshan males score 94, 94½ and females to 95.
Cup winner under Felch. A few cockerels for sale.

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Buff Plymouth Rocks, Only. . . .

Now "Old Glory" proudly waves o'er Porto Rico; The Philippines are ours, and Cuba free; Vast armies must be paid, you can meet the taxes laid, by breeding Burdick's Nuggets, "don't you see."

My strain is well known as producing the winners at all the leading shows, Chicago, '99, included. Matings for 1899 surpass anything before attempted. Eggs that hatch, for March, April and May, $3 for 15. After May, eggs again half price. Breeding and exhibition stock always reasonable. Fifty fine breeding cockerels reasonable. Write **H. S. BURDICK, Rome, N. Y.**

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Scoring up in the nineties, at $1.50 for 13, or $2.50 for 26. Mention this journal. Address,
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"As good an average flock as any breeders." No more stock for sale. No more Buff Wyandotte eggs. Fertile eggs from White, Silver and Golden $2 per sitting. If you are interested in knowing "the hen that lays the egg" drop us a card. **MAPLE CITY POULTRY YARDS,**
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BUFF PLYMOUTH ROCKS,

Breeders score 90 to 94. Golden buff to the skin.
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Eggs $2 per 15, eight chicks guaranteed. Circular tells all about our stock and show record
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5c Each, Eggs 5c Each.

For balance of season from my best pens of prize winners.

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20 VARIETIES—FIRST-CLASS THOROUGHBRED STOCK.

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I have choice breeding stock, young and old, for sale with score cards. Egg Orders booked now. Write for prices and description. Address
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EGGS, $2.50 PER 13; $5 PER 30.

No more stock for sale until Nov. 1, '99. Satisfaction guaranteed. Farm raised; free range. Reference, Champaign National Bank, by permission. Ment on American Poultry Journal.

50-Egg Size $5

One Million Testimonials are not so convincing as the 30 Days Trial Free

We offer on every incubator we make. No matter how cheap. No regulator has ever approached in efficiency our Patent Pneumatic Regulator with which over heating is impossible. You may have chicks hatching every day in the week, with our Compartment Incubator. Among hundreds of others Mrs. M. T. Duval, Old Church, Va., never before saw an incubator, yet with our Bantam hatched 50 chicks from 50 eggs. You can do as well. Send 4 cents for No. 2 Catalogue.
BUCKEYE INCUBATOR CO., Springfield, Ohio.

BUFF Cochin Bantams.

That are winners. Bred in line from winners.

No Eggs. **CLARENCE HENDERSON, Springfield, Ohio.**

I Breed

Barred Plymouth Rocks,

WINNERS AT WENONA—1 ckl.; 3, 4 pullet 1 breeding pen.

Pekin Ducks and Buff Cochins.

Stock and eggs in season. All inquiries promptly answered.
THOMAS McKEE, Box 142, Washburn, Ill.

GROVER & GROVER,

CONCORD, MICH.,

Breeders of

WHITE AND BUFF PLYMOUTH ROCKS, and Black Javas.

Won highest honors at the great Chicago show on White Rocks and Black Javas, send for record. Eggs $2 per 13; ½ price after June 15.

$100 Cup for Best Leghorn Cock Hen, Cock'l and Pullet at New York

NEW YORK AND BOSTON WINNERS.

Empire State Farm.

BROWN LEGHORNS. ROCKS, Buff and White.

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GEO. H. BURGOTT, BROWN LEGHORN SPECIALIST, Lawton's Station, N. Y., U. S. A.

Eggs for Hatching, $2 per 13.

Barred Plymouth Rocks.

Four Great Matings, headed by Prize Winning Cockerels.

EGGS FROM THESE YARDS, $2 for 15.

Correspondence solicited.

T. W. McCLURE, Carey, Ohio.

The IONIA STRAIN

....OF....

R. C. Brown Leghorns and Polish

have a standing record east and west. Send for picture book and description. **Eggs, $2.**
S. G. ALLURED,
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Silver Laced Wyandotte EGGS.

My yards contain the winners from Dubuque and Galena, Poultry Shows, Dec. '98. At Dubuque 1st cock, 1st hen, 1st and 3d cockerel, 2d and 3d pullet. At Galena 1st cock, 1st hen, 1st, 2d and 3d cockerel, 2d and 3d pullet, and 1st and 2d pen scores, 90 to 93¼. Eggs $2. per 13 straight.
F. J. HOELTING, Galena, Ill.

White Wyandottes and S-c. Buff Leghorns.

Winners at
Chicago, Coldwater, Sturgis.

Eggs $2 per 15 in season. Stock for sale at all times. Satisfaction guaranteed. Circular free. Correspondence solicited.
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A grand lot of Buff Rock Cockerels, Fine style, size And color. Bargains.

Buff Plymouth Rocks, Cornish Indians, Buff Leghorns and B. B. R. G. Bantams.

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EASY TO OPERATE.

Any boy or girl can be successful with
THE MONITOR INCUBATOR.
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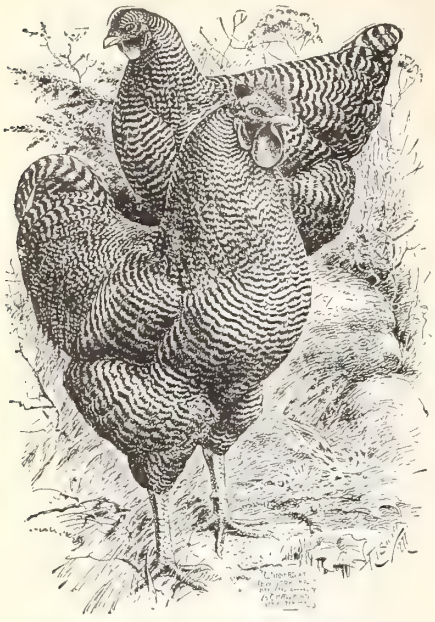

Winners at New York, 1897, from life.

HAWKINS'

ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER AND WHITE.

EGGS FROM PRIZE MATINGS.
1 Sitting, $5. 3 Sittings, $10.
2 Sittings, $8. 5 Sittings, $15.
Per 100, $20.00.

Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1899 are the best I ever owned.

At the Great National Show, WASHINGTON, D.C., in **hot competition** with over **300 birds** of these varieties, the best that could be found regardless of price, I won **45 Regular and Special Prizes** on **39 Entries,** including **First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockerel in the show** (Bantams excluded), and this on my **First Prize Barred P. Rock Cockerel.** My winning White Wyandotte cock was pronounced by the judges to be the **best they had ever seen.** I won twice as many first prizes as **all other exhibitors** of these varieties. My **BUFF ROCKS,** at **BOSTON,** 1899, in hot competition, won **more first and special prizes than all others.** My customers are winning all over the country. If you want the **BEST,** write me. Hundreds of **Choice Exhibition** and **Breeding Birds** at **honest prices.** Catalogue of America's finest **Plymouth Rocks** and **Wyandottes free.**

A. C. HAWKINS, Lock Box 25, Lancaster, Mass.

WHITE PLYMOUTH ROCKS.

Eggs for sale from two pens. Pen No. 1—headed by cockerel direct from Hawkins, mated with hens and pullets of same strain scoring as high as 93½; score cards by Shellabarger; one sitting $2; two sittings $3.50. Pen No. 2—headed by Empire cock, mated with hens and pullets of same strain, all fine birds; one sitting $1.50; two sittings $2.50 Address Poul P. Harshman, Sunny Side Poultry Yards, Sullivan, Ill.

Houston's BUFF ROCKS.

The Kind Your Grandchildren Will Raise.

Elegant youngsters among the 400. You will need some of them this fall.

I. W. HOUSTON, Marshall, Mich.

Forest Hill Poultry Farm.

BUFF

Wilson's Buff Ply Rocks are world renowned winners. They are line bred, and show strength of blood in progeny. Customers are like successful in this count y and England. If ambitious to lead, let me aid you also, with birds or eggs. **EGGS** $5 for 13; $8 for 26; $10 for 39.

J. D. WILSON Box 127 A, Worcester, N. Y.

BUFF WYANDOTTES,

EXCLUSIVELY.

The popular strains of Buff Wyandottes formerly bred by B. H. Smith will be continued at the same yards. Our cocks and cockerels took first prizes at Detroit and Chicago shows this year. Eggs in season.

B. H. & M. H. SMITH, Coldwater, Mich.

PARAGON LANGSHANS.

A Few Choice Birds For Sale.

Eggs $5 for 15. Satisfaction Guaranteed.

HUNT BROS., Greenwood, Ill.

The Daisy and Crown BONE CUTTERS.

Best in the World.

The $5.00

Hand Bone, Shell and Corn Mill.
THE GEM CLOVER CUTTER.
Send for circulars and testimonials.
WILSON BROS., Easton, Pa.

BUFF COCHINS For Sale at a Sacrifice.

Entire stock, consisting of 2d cock at Pittsburgh, '98; 1st ckl. at Columbus, '99, and 21 hens and pullets, scoring to 94½. Many are solid buff throughout. Will sell in block or singly at a bargain.

RALPH H. MATHEW, Box 126, Sabina, Ohio.

FOR SALE, BUFF P. Rocks, Leghorns and Wyandottes.

Also a fine lot of White P. Rocks, Single-comb White and Brown Leghorns and White Wyandottes at $1 and $2 each. Will please you or birds may be returned at my expense. Address

WALTER COX, 64 Grand ave., Washington, N. J.

• • • Phœnix Poultry Yard. • • •

Saturday, Feb. 4th, I had my entire stock of Lt. Brahmas, Blk. Langshans, S. L. Wyandottes Buff, Barred and White P. Rocks scored by Chas. McClave and as a result found 96 birds that run from 90 to 94. I have several that score 94½ by such judges as B. N. Pierce, F. J. Marshall and W. M. Clark. Examine my show record at Cincinnati and Portsmouth, O. Write me for prices on stock and eggs. Satisfaction guaranteed. Ten for a hatch or duplicate at half price. Chicks two weeks old 25 cts. each.

MRS. J. H. OREBAUGH, Box 7, Batavia, Ohio.

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121 Prize at three Chicago Shows, besides State Silver cup and grand specials

For the coming season I have mated 6 pens of Barred Plymouth Rocks, both Cockerel and pullet matings; each pen headed by a high scoring Cockerel. 3 pens White Plymouth Rocks. 2 pens Buff Plymouth Rocks, Silver Laced, Golden, Buff and White Wyandottes, Light and Dark Brahmas, Buff and Partridge Cochins, Black Langshans, Houdans, B. Minorcas, Black and White Polish, Buff and White Cochin Bantams, M. B. Turkeys, Toulouse Geese.

Satisfaction guaranteed. Write for Catalogue.

J. I. DeLANCEY, Elgin, Ill.

EGGS FROM WINNERS.

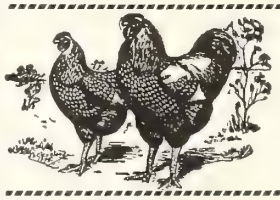
My Pens Contain ALL My Light Brahma Winners.

Not a female in these pens score less than 93½ by Pierce. Males include those upon which I won Grand Sweepstakes at Rockford.

Eggs from these pens $3 per 13; $5 per 26.

H. S. GODFREY, Rockford, Ill.

Catalogue containing 6 photos and other electrotypes free. A few superb cockerels left, most of them score 92 and better; splendid hackle and black wing and tail; $2 to $4. If you want one, write now.



Doolittle's Wyandottes

Golden, Buff and Partridge.

Winners at Chicago, Washington, D. C., Davenport, Iowa, The great Mid-continental, Kansas and Nebraska state shows. Stock and eggs for sale. Eggs $1 for 13. Send stamp for catalogue to

W. A. DOOLITTLE, Box 399, Sabetha, Kans.

Buff Leghorn Eggs

from pens headed by cockerel 92⅔ and females from 91¾ to 92¾ .....

SOLID BUFF, no white or black in plumage.

All Customers Satisfied and $2 for 15 Good Hatch Guaranteed.

WILLIAM RUDI, - - - - - - Bourbon, Indiana,

American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.
Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.
VOL. 30. CHICAGO, ILL., JULY, 1899. NO. 7.

THE FANCIER IN THE POULTRY YARD

BY THOS. F. RIGG.

The stock which has constituted the breeding pens will be released by the fancier on or before July 1st, and the birds given a vacation. The truth is, the fancier finds the question of what to do at this time of as great importance as he does the questions he must solve in the days of January, when mating his pens. A great editor, for whom it was really a pleasure to work, said to me that it required a finer ability to know what matter to discard than it did to make selection of matter to be printed in a daily newspaper. So it is with the fancier. It does not require much ability for a fancier or breeder to go right on an exceptionally good bird — a bird whose merit is so plainly evident that no one could very well make a mistake in its selection. But none of us have very many such specimens, and we all must make selections of breeders on lines not as "plain as the noon-day sun." The fancier who *knows* the breeding of the birds which this season constituted his breeding pens, can at this time form a pretty correct idea of the result of his matings, for the chicks from these matings are now far enough advanced to enable the true fancier to judge with correctness the manner of stock they will be when matured.

So now the fancier practically knows what the harvest has been this season. Now he is to break up these pens. Right here is where the best ability is required. The fancier is, virtually, beginning his work of mating for next season. Here is a male bird at head of a few. Upon careful examination it is found that the chicks sired by this male are deficient in some important particular — lack shape, or color, marking in a certain section or sections to a marked degree. This does not mean that this male bird is not a good breeder. He was at best only half the pen. Now the fancier makes a careful examination of the females in this particular pen. If he is thoroughly posted, he can tell to a certainty in most cases the dam of every chick raised from eggs from this pen, even though he has not used what every fancier should, a recording nest box. Each chick is examined and then each bird in the pen is carefully gone over, section by section. In this way the breeding qualities of the bird is pretty thoroughly determined. Nor is this all. In this examination we will find here a female that has gone all to pieces, say in color of wing or tail, or in shape of some important section. As a pullet, perhaps, she was seemingly perfect in the sections which have later developed defects. The male used with this female this season may have to be deprived of her company next season. And so it goes. At this time every female having developed a serious defect, is discarded. With the fancier who has for a term of years line-bred his stock such specimens will be rare indeed. With the fancier who has for years been introducing new blood by the annual introduction of a male, the percentage of this class of birds will be large. Here the fancier who breeds from birds not less than two years old will find himself master of the situation, for the stock placed in his breeding pens last winter had fully matured—and he knew just what he was doing. The man who makes a practice of breeding from young stock each year has but little control over his matings for he is breeding from an unknown quality. This is true to a certain extent even with the best bred stock.

Having finished this careful examination of our birds, we now decide upon what males used this season will be retained as pen kings for next season. These males are removed, each one to a grassy, shady run, in which no other fowl is allowed to enter. In each one of these runs we have a small coop which the male occupies at night. No male intended as a breeder next season is allowed to go to a female from now until he is placed in the breeding pen next January. I do not think it is necessary to go into details for the purpose of convincing any thoughtful man that this treatment of a breeding male is anything but necessary. These male birds are carefully fed—given food that is rich in blood and bone making properties. In fact, they are in reality being conditioned, and when placed in the breeding pen next winter are strong and full of vigor and life.

The females now removed from the pens—those which will be again used as breeders, are turned out to grass, to have a good time, and to recruit. No demands are made upon them for eggs from now on. They are allowed to put in the few summer months according to their own desire, being fed no ration of a fat forming nature. They, too, are regaining strength and vigor wasted because of the hard service performed in the breeding pens. In this way our breeding stock is maintained in perfect health and breeding condition.

MATURED BREEDERS.

I have heretofore, in this department, spoken of the necessity and the advantage to be gained by breeding from matured stock. The chicks this season are furnishing conclusive evidence of the wisdom of this policy. They are very strong and large and have grown rapidly from the start. There is so much to be gained by breeding from matured stock. In the first place we are simply following a well known and uncompromising law of nature. We are breeding from stock possessing the size, strength and vigor of specimens at their best—in full possession of all the breeding qualities of which the race is by nature endowed. The fancier, of course, looks farther and demands not only size and vigor, but standard color markings. When he breeds from mature birds, which have mated once or twice, he is breeding from known quality, not only as to size and vigor, but as to markings. I think it is safe to say that outside of the yards of a very few fanciers, the breeding pens in this country are, in a majority of cases, headed by unmature cockerels and filled with pullets. I do not mean that cockerels should not be used, for in the very nature of things they must be used in many cases. But do not use cockerels on pullets. It is as a two or three year old bird that a male is most valuable as a breeder. No other mating in the world can compare with that of a two-year old cock on two and three-year old hens. The per cent. of fertile eggs will not be as great as from a pen headed by a cockerel, or a pen in which a cock is mated to pullets, but the quality of the stock produced will be far superior. The chicks will come off the nest far stronger, and will not for one moment cease to push forward in growth. There will be but few deaths and these chicks will mature into grand, good, large and vigorous specimens.

Do not this season of pen breaking discard the tried and true breeders because they are two or three years old. Beyond all else reserve them.

Iowa Falls, Ia.

THOS. F. RIGG.

This series of papers on the prevention of disease, the care of fowls, the preservation of health in the flock, and the general conservation of energy in breeding poultry, is written expressly for AMERICAN POULTRY JOURNAL by DR. N. W. SANBORN, Wellesley Hills, Mass.

AN ANSWERED LETTER.

A letter from A. L. P., Iowa, says: "Three setting hens have left their nests; they droop around, won't eat, and combs are becoming white. What's the matter? What's a cure?"

There are several conditions that answer to this description, and a more complete account of the birds' spring history would settle the question more definitely. The birds may have set five, six or more weeks and are tired out. It does not pay to reset a hen. Three weeks is long enough for any bird to get the rest needed.

Then perhaps the birds have been fed corn and water, and allowed no access to grit and green food. Anaemia or extreme weakness follows a diet of this kind if long followed and should not be practiced by a thoughtful poultryman. Hens need a better balanced ration than corn and water even though they are only setting on eggs. A hen will live through three weeks of such feeding, provided she has access to grit and vegetable food such as clover or hay chaff.

These three hens may have been fed during the winter, too, large proportion of corn and hence may be "breaking down" as a result.

While all the preceding may be cause of the trouble stated, in my own opinion the source of all the bother is *lice*. I am firmly convinced that behind one-half the sickness and trials that beset our birds we will find lice. When our birds are free to devote all the daytime to dusting, they have hard work to keep under control the lice, and what can you expect a hen to do when obliged to remain on a nest for three weeks with a few minutes a day to shake herself? Many such a hen has no chance to dust anywhere. Lice multiply, feed on the hen, exhausting her vitality, making her life a howling wilderness. No wonder then she stands up, sits on the edge of the box and lastly refuses to go back. Would you do anything different?

It pays in solid cash to use dusting powder of some kind throughout the year. Birds of all ages need it, and hens set during the warm months must have it to ensure good results from their labor. Dust hen and nest at least three times during the period of incubation. This will give quiet to the hen and start the chicks free from lice. Always look for lice!

THE DISEASES OF THE LIVER.

The diseases of the liver are largely due to improper feeding. The over use of fat producing foods, or the giving of too much spice or stimulating substances are the usual causes of liver trouble. There is no organ in the hen's body that will stand more abuse than will the liver and yet do its work. It is only when it is persistently pushed, by a mistaken idea of the hen-man, that it gets itself and its owner into trouble.

CONGESTION.

Congestion of the liver is a condition rather than a disease. It is the beginning of trouble and may be followed by an inflammation of the liver. Congestion of this organ is produced by any disease that interferes with the blood circulation of the abdomen.

The over feeding of so called egg foods, especially to hens yarded, or the too generous use of potatoes, corn or cornmeal, will irritate the liver and produce a congestive condition.

A congestion lasting for a few days will cause the feathers to become rough, the bowel discharge watery—at first brown, then yellow; the comb, at first purple, then dark and sometimes black; the bird showing less and less desire for food.

Treatment for this condition should include, for the first move to be made, a good dose of castor oil—say two teaspoonfuls—then coop out on grass, if in the growing season, and in the winter feed quite largely cut clover well steamed. Study out the reason for the disease in this case and try to remove it in the future.

Congestion if allowed to continue will pass into a condition of inflammation known as hepatitis and from which stage you need expect to relieve very few birds. Medicine seems to have little effect upon hepatitis. In connection with this condition you will find quite often a history of one of two troubles, either fatty degeneration or tuberculosis.

The inflammatory stage of liver disease presents for symptoms, a yellowish diarrhoea, little desire for food, much thirst, sluggish movements of body, rapid loss of flesh, becoming in a short time hardly more than skin and bones.

The treatment is simple. Clear out for once the bowels with castor oil or magnesia, feed plain, digestible food, such as bran and cut clover well cooked, and avoid all stimulating food or medicine.

ENLARGEMENT.

Enlargement of the liver is also known as hypertrophy, and is most often met in hens during their second winter. This condition or disease is caused by feeding too much fat producing food combined with insufficient exercise. It is quite common where hens and pullets are kept together and all pushed with stimulating food for eggs. The pullet is more active, and does not put on fat as does the hen, and is probably laying the most eggs. The quiet yearling eats heartily, digests completely and stores away the extra food in different parts of the body, above all in the liver.

When fully developed, the bird is quiet, sits upon the floor or nest much of the time, and at length does not go on the roost at all.

Feed lightly of bran, clover-hay, wheat and give all the exercise possible. To each quart of drinking water add one half teaspoonful powdered muriate of ammonia.

Watch your birds and avoid getting them over fat. On the other hand do not be alarmed to find a little solid fat on a strong, vigorous hen. It is the man who provides *exercise* for the hen who is seldom called upon to treat liver disease among his birds.

WASTING.

Atrophy, or wasting, is less often seen than enlargement. It is the result of too little food or a badly balanced ration. I know of one lot of fall hatched chicks that developed this condition. The owner tried to keep them cheaply and gave as his excuse that they were giving him no returns.

This condition is indicated by yellowish earlobes and comb and a quiet, dumpish state of body. There is really an anaemic state of the whole body; that is the bird has been starved.

Treat this condition by giving the bird its freedom, on grass land if possible, and feed in generous quantities a well balanced ration, not forgetting green cut bone.

Avoid all diseases of the liver by right care and proper feeding. Birds of different ages, or breeds, need different food to supply their demands and ought not to run together. It would give good results to keep laying birds in different yards from the growing or even the "resting" hens that have been laying.

The fattening of hens for the market is one stage in the process that finally ends in fatty degeneration of muscle and liver.

PERITONITIS.

Peritonitis is an inflammation of the membrane lining the cavity of the abdomen and covering the organs it contains.

Peritonitis is occasionally produced by injury from outside the body, but the usual cause is rupture of a blood vessel or egg passage, and from pus in the cavity from an abscess.

The bird is found to be very hot; is uneasy; the abdomen is found on examination to be full, hot and tender to the pressure of a finger; pain is severe. As the hours go by, the bird falls on one side with legs drawn tight to the body. Respiration is rapid and the breath hot.

There is little to be done in this disease, except to use an anodyne to relieve pain, such as opium pills of one grain twice a day. Support strength by using beef juice and milk, equal parts, for food. No solid food.

THE FUTURE OF THE SCORE CARD.

We do not pick up an issue of our numerous poultry journals but what some one or other is discussing the score card and comparison methods of judging. It may seem strange that after more than twenty years of scoring chickens by card such a great amount of controversy should still be carried on upon the subject. The beginner needs and wants a card, for should he go into competition, it proves the quickest educator; he may after some years of experience want to try comparison, but after seeing its injustice to the greater per cent of exhibiters he will again favor the score-card in spite of all fault finding and criticisms from some who do so with a motive and many who kick because it's their fort to kick with cause or without, reviewing score card judging. As I personally have come in contact with its advocates and some few who "want none of it," I want to stand up and answer for one as favoring score card judging, for all winter shows. Whenever I have exhibited and won or was defeated, I could always know why by

MAMMOTH BRONZE TURKEY, BRED BY S. B. JOHNSTON & CO., BOGGSTOWN, IND.

the study of my cards and the comparing section after section with my competitors' stock the whys thereof. Showing under comparison always has and always will keep exhibiters suspicious of "foul play," unexplainable discriminations, etc. The score card may now and then show up the incompetency of a judge or a wide difference between two making a card for the same bird, but this tends to make the progressive and willing student all the more keen to prepare himself to becoming a critic and a builder of methods whereby judges will be of better and greater use than ever before. Now too many are only the reflex of what the fanciers and breeders have made them which too often is like putty men in the hands and dictations of those in power, or caterers to fads that rule for a time to be dropped for another. When more of our successful breeders will be honest, fair and outspoken in their contact with one another, each sincerely imparting such information to the other as has been taught him from experience or knowledge acquired by greater opportunities, the keen and often dishonest methods will not be resorted to, for the sake of a prize that is to result in dollars or reputation, as a main factor to rake in the shekels from the innocent. The future of the card will have in all cases to show the honest verdict of the judge making it, be it in private or public work done by him. This is his security for further usefulness; this will mean a closer study of all breeds and varieties, with a natural love for the work; correct ideas of form and color; ability to value each section and the fowl as a whole in making his deductions for demerit cuts; disqualifications strictly put in force will raise him in the estimation of all who want only what is right and just, and this class is what the fraternity wants above all else. Our Standard is not perfect or its demands for color, penciling or barring in harmony with what it takes to produce the specimen, yet it is very good, and will be improved upon, changed or modified, as the breeder may demand when by experience his knowledge has been broadened to a point where he can point out its weaknesses. Step by step we have come to a point where the demand is for honest work and worth. While in all avenues of commerce and trade, the tendency has been downward, the poultry fraternity has gradually elevated its standard, its utility and fancy points. The poultry press with each season becomes more outspoken for better methods and honest dealings. Hundreds are demanding what will prove practical as well as beautiful. In the exhibition room the score card has been the main factor in holding together and creating greater interest; throughout the country it is what holds the smaller clubs together and unites new ones. Never in its history has poultry culture had a more promising outlook for progress toward that time when a scrub chicken will be remembered only as a thing of the past.

D. T. HEIMLICH.

THAT WONDERFUL (?) CHICAGO PULLET.

I notice that U. R. Fishel is trying to make the public believe what a wonderful (?) White Plymouth Rock pullet he had disqualified at Chicago, and why he did not win 1st prize. His excuse for not winning contains too many "ifs."

After reading his article in the June American Poultry Journal, I think it time to set matters right.

What I objected to was his statement that, "One party remarked he would rather have her than all three pullets that won 1st, 2nd and 3rd prizes." Now, I had the 1st prize pullet, and she may not have been very good, but she won; and I know the 2nd and 3rd pullets were good birds and entitled to their scores of 95. They were so much better than Mr. Fishel's pullet that there was no comparison. Mr. Fishel claims his pullet scored 96½, but as Judge Russell was placing her in the coop he discovered the colored feather and disqualified her. Now, I handled all the White P. R. females for Judge Russell and remember when he disqualified this pullet (and others), and the fact is that the judge had not gone all over this pullet when he found the feather in the tail. There were several sections yet to be examined for color. So, you see, we do not know what this pullet is worth, for *she was not scored.* She may be worth more than the prize winners, but I wonder how many White P. R. breeders who saw them think this? When it comes to compar-

ing value I will say that I know mighty good judges who would not give the 1st, 2nd and 3rd pullets for all Mr. Fishel had at Chicago. I want to see every breeder have all he is entitled to, but I do not like to see facts misstated to the public. It is easy to overdo a good thing, and I think Mr. Fishel has done that in this case.

Some breeders will yet learn that it pays to be conservative in their ads, for when they advertise "the best in the world," etc., their customers are sure to be disappointed if ordinary stock is sent out, for they are expecting more than from us common fellows.

R. M. GARD.

Frankfort, Ind.

MR. HECK REPLIES TO MR. FISHEL.

To the Editor.—The article on page 285 of your June number, relative to a disqualified White Rock from which U. R. Fishel is breeding, contains misstatements which should not be allowed to pass unanswered. I do not blame Mr. Fishel for trying to get rid of some unenviable notoriety, but he should not try to pull down other breeders in the attempt. Whenever a breeder begins to cry down the stock of a competitor, then is the time that he starts upon the down grade, and especially so when his competitor has proven the superiority of his stock. Mr. Fishel's pullet was disqualified at Chicago for black in tail, as was stated by Mr. Rigg in the May issue. The defect was so plainly evident that surprise was expressed that Mr. Fishel, either through ignorance or carelessness should enter such a specimen at a show. Mr. Fishel seeks to create the impression that the pullet scored 96½, and that Judge Russell discovered the off-colored feather when returning her to the coop. The truth is that Judge Russell found the feather when he arrived at the tail section, and I am satisfied that he will bear me out in the statement for he was asked to finish scoring the bird and stated that he could not score a disqualified specimen. The sections which he had not passed upon and which Mr. Fishel acknowledges received no cuts, were color of tail, wings, breast, fluff, legs and toes. These would have been considered in the order named had the mark of disqualification not been discovered at the tail. This left five important sections yet subject to cut and would have given the bird a very low score. The whole class at Chicago was cut to the lowest notch and in no instance was a specimen given the benefit of the doubt. The first, second and third pullets each scored 95 points and they were the highest scoring birds in the show. One of these belonged to R. M. Gard and two belonged to me. The tie was broken by the weight clause, and as my birds had been cooped all the previous week at another show, they had fallen off until they were just up to standard weight, while Mr. Gard's bird weighed ¼-pound more, thus giving it first and mine second and third. Mr. Fishel states that a remark was made by someone that they would not give the disqualified bird for all three of the 95-point ones. He does not even say that the party was a breeder, and statements of this kind are the weakest possible evidence of the quality of his bird, and in fact is not evidence at all. This is where he tries to build up his own by trying to tear down others. It might be possible for Mr. Fishel to convince an amateur that the bird in question scored 96½ points, but no experienced breeder will believe for a moment that any certain bird could reach a score of 1½ points more than any other in a class like that at Chicago, or in other words that there could exist a difference of 1½ points between the highest and second highest scoring birds in a class of 104 gathered from the best yards in the United States. Mr. Fishel did not win a prize at any winter show, on females, and he was given first on pen at Chicago because the breeder with whom he tied for first had a lower scoring male. As far as I am concerned I will not object to Mr. Fishel breeding from disqualified specimens. That is between him and his customers.

FRANK HECK.

New Albany, Ind.

MR. RUSSELL REPLIES TO CRITICS.

I note that U. R. Fishel has been claiming I was in error for disqualifying a white Plymouth Rock pullet exhibited by him at the Chicago show last winter.

I remember the specimen under controversy as well as if I had handled her yesterday. She had one feather in main tail that was black fully one-half the length of the feather, but covered only partially by cushion.

I respectfully refer Mr. Fishel to the disqualifying clause on page four of the latest edition of American Standard of Perfection, which reads as follows: "In all white varieties, any *feather* on a specimen having positive *black* or *red* in any part of the plumage."

I do not see how I could have done differently, without being severely criticised by those who know the wording of the Standard.

Mr. Fishel also states that pullet would have scored 96½ points and won first prize, had I overlooked this so-called defect. This is not true, and Mr. Fishel knows fully well that I was not through with all the sections when I found the black feather. Those who have watched my manner of scoring, know that I take the shape of the bird before I take the specimen from the coop. After taking it from the coop, I commence with sections in rotation as laid out by the Standard. In this case, after finding the disqualification in tail, I stopped there and marked the score card "Disqualified for black in tail." I did not cut for color of tail, nor did I examine or cut for color of breast, fluff, wings, legs and feet.

Mr. Fishel further states that his pullet, as well as one shown by Mr. Williams, should not have been disqualified for showing one black feather in each specimen. Why not? Does the Standard read "feather or "feathers?" My guide places it in the singular.

Uncle Isaac says, "Had I been scoring that bird, I should have passed over the disqualification, and let her win; but to protect both specimen and avert any conflict between me and another judge, I should probably have pulled the feather out."

"Ye gods and little fishes!" Reader, what do you think of such an assertion? And to come from the ex-President of the American Poultry Association!

Uncle Isaac is all right in *some things*, but not in *all* things. I think, also he had better "brush up" a little and read the disqualifying clauses in the new Standard. He will remember that he made me a present of the latest Standard (nicely bound in Morocco). I have been using this same book as my guide.

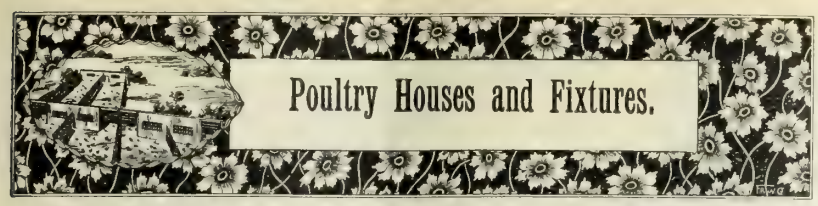
Ottumwa, Ia.

W. S. RUSSELL.

These articles are published in answer to the article by Mr. Fishel in June A. P. J. It is the endeavor of the A. P. J. to avoid at all times personalities of an unpleasant nature. In justice to the owners of winners of the first, second and third prize White Plymouth Rock pullets at the Chicago show, these replies to the article in June are published. We regret that this discussion has taken a disagreeable turn. The fact that gave rise to it was the disqualifying of a White Plymouth Rock pullet at the Chicago show. The ethics of color disqualification constitutes a subject for liberal discussion and should be fully discussed. With these replies to Mr. Fishel, we shall consider the matter closed so far as it relates to a personal matter.—EDITOR.

PEN WHITE PLYMOUTH ROCKS.

Owned and Bred by Mrs. J. H. Orebaugh, Batavia, Ohio.



Written expressly for AMERICAN POULTRY JOURNAL by E. A. Phelps, Austinburg, Ohio.

SUMMER QUARTERS FOR YOUNG STOCK.

What to do with the season's crop of youngsters, now that hatching time is fairly over, is becoming quite a problem to many, who have an unusually large number of chicks this year; or to such as are starting into the business, who have as yet made no provision for housing the young and growing stock, after they leave the brooders or mother hen. Accomodations for them, of some sort, must now be furnished, and when weaned, they should be taught to occupy whatever is provided for this purpose. One should have at least two yards for the young stock, in which may be placed the brood coops, if you are using hens, and if the chicks be raised in brooders, they should be located in these yards as soon as they are able to do without artificial heat. It might be of benefit to some one to know that these yards should be situated where the stock can have plenty of shade and direct sunlight. An orchard is a splendid place usually to locate such yards, but if not available one may provide shade artificially. Were it not for the rain, young stock would grow faster and hardier, if allowed to roost in trees or bushes. Old birds, too, are benefited by a change of air, and since it is not practicable to move them, one should see to it that every possible door or window is left open, and the building kept scrupulously clean. When raising any considerable number of chicks, best results will be attained from yarding them. Construct yards, one hundred by one hundred and fifty feet, and they will be ample for two hundred and fifty head of young chicks, until they are two-thirds matured, when the number should be reduced to not to exceed two hundred. Where it is possible to provide larger yards, do so by all means, as the nearer we can come to giving the stock unlimited range, and still protect them by means of a fence, the more contented and active will be the fowls. Where yards are much, if any, smaller than named, they are too much on the order of a pen; and where the chick feels that he is a prisoner, he will not thrive as would otherwise be possible. Some kind of shelter must be provided in each yard, and with a view of offering some ideas as to how these summer coops may be constructed, I herewith present sketches of one we think hard to beat. Of course, such buildings may be of any size desired, and in proportion to the number of chicks they are designed to accommodate. The building shown is ten feet long, six feet wide, six feet high in front and three feet high at the back, and will take care of one hundred chicks, until they are nearly matured, or forced into winter quarters. For a foundation, use either six-inch posts or 6x6 timbers, and cut them six feet long. Set them into the ground three or three and a half feet so as to raise the sills of the building two and a half or three feet above the ground. For sills, spike together two 2x4's or use 4x4 stuff, if preferred.

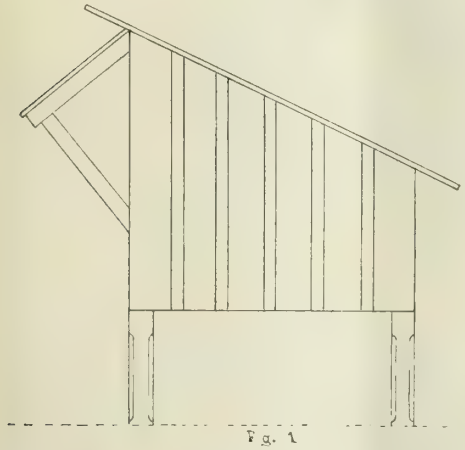


Fig. 1

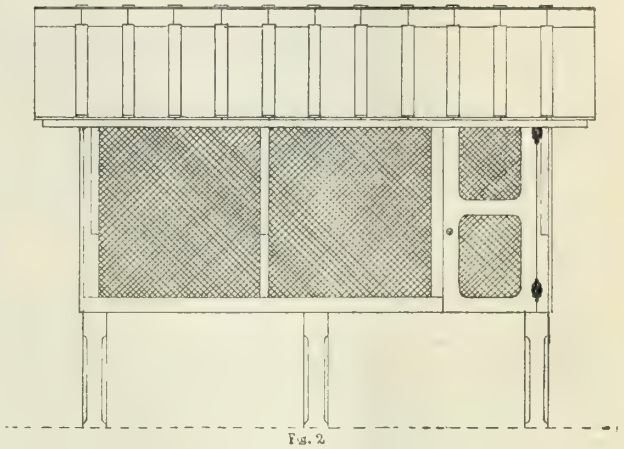


Fig. 2

The method of framing a structure of this size and construction, is extremely simple, and I think will be readily understood by any one. A glance at the accompanying sketch shows the roof, back, side and ends, to be boarded perpendicularly and battened. The front is left entirely open, save for wire netting, of one inch mesh. A door, two feet wide, is hung on spring hinges as shown in figure 2, by which one has access to clean out the building. It is hooked to remain open in the day time and closed at night. For a floor, matched lumber is preferable. Sixteen foot lumber and bill stuff will cut without waste, and the following amount will build the coop in question:

36 lineal feet 6x6, or posts.

250 sq. feet boards, 12 in. wide, 16 feet long.

75 sq. feet boards, 3 in. wide, 16 feet long.

15 sq. feet boards, 4 in. wide, 15 feet long.

224 lineal feet 2x4-16.

32 lineal feet 4x4-16 or 64 lineal feet 2x4 for sills, and 60 sq. feet matched flooring.

Hardware, 5 lbs. 8p. nails and 3 lbs. 20p. nails, one pair spring hinges, hook and eye, and ten feet wire netting, six feet wide, with ¼ lb. staples.

When completed, such a building is neat and durable, dry and cool. The chicks are practically out doors, yet protected from draughts, storms and danger from other sources. Roosts may be put in, as the chicks become old enough to need them, and clean litter or dry sand or dirt kept on the floor. If kept painted, such a building will last a good many years.

THE WELLINGTON, (O.,) POULTRY CLUB.

Editor American Poultry Journal.

DEAR SIR:—We take the liberty to announce through the columns of American Poultry Journal the organization of a poultry club at Wellington, Ohio, known as "The Wellington Poultry Club." The object of the club is to combine in buying poultry supplies and in advertising our stock, and to further the interests in thoroughbred poultry in this community. We have adopted such a constitution and by-laws as will insure a high grade of stock among the members. There is a committee provided who are to inspect and register in the club the breeding pens in the spring and the selling stock in the fall. All fowls which are not strictly first-class will not be registered.

There is also a by-law which subjects a member to expulsion from the club who sells an unregistered fowl.

We intend to hold a poultry show here this fall and will welcome all competitors.

The most of us take your journal and find in it many valuable helps.

C. L. WARREN,
Secy. The Wellington Poultry Club.

Scribner's Magazine for July has as a frontispiece a fine wood engraving by Gustav Kruell. It is from a very rare daguerreotype of Daniel Webster, and accompanies Senator Hoar's paper on Webster, for which he has been collecting material for many years. There are a number of unpublished manuscripts and some new material revealing how Webster prepared his great speeches. Parallel passages are given, showing remarkable divergence between the spoken and written orations. Another Webster paper will appear in the August number.

July in the Poultry Yard.

July is the month that begins to try the poultry breeder's soul. The heat of "dog days" begins and very young poultry begins to mope and dwindle and dry up and die, not particularly because of the fact that the dog star reigns, but because the poultry breeder does not understand

By the time July arrives the laying hens have become depleted and exhausted by producing so many eggs and the basket does not make a very great showing unless proper measures are taken to stimulate egg production.

In July the red mites and the gray lice meet every night to picnic on the blood of innocent fowls and like the fabled vampire suck their lives out.

About July the early hatched cockerel and the budding pullet begin to think of taking to roosting on a pole and thereby contract crooked breast bones which the judge will cut two points when the show comes next winter and that two points looses the bird first premium and the breeder makes remarks about his "luck" in having birds with crooked breast bones.

In July the ancient hen that should have been sold two years ago quits laying and doesn't do a stroke of work until the next spring while her appetite is like unto that of the hired man.

Little fowls of all sort should have a cool place to resort to when the hot weather begins. An ordinary building is not cool enough unless pains are taken to make it cool. The best kind of shade is that of a well grown tree and an old orchard where the trees are high, thick and wide is a good place. If trees cannot be found a shed with a thick straw roof or a run under some building where they can lie in loose earth that is cool is the best. Every effort should be made to furnish plenty of perfectly fresh water, or what is better milk, sweet or sour, and they should be fed whole wheat, cracked corn with crushed oyster shells and beef scraps, dried and ground. Keep them comfortable and keep them growing. If the whole care of them is devoted to these points, chicks hatched in the hottest weather may be kept going. Lack of attention to these matters results in the "sleepy disease" which is commonly called cholera, but which is only inability to digest feed and a consequent drying up, as it were, and finally death at an early age.

To keep the hens laying during the hottest weather is a matter that tries the skill of the poultry breeder. They must have especial care and be well fed without being made too fat. They should be fed early in the morning and again just before time to go to roost. The poultry house should be as open as possible in order that they may be comfortable at night and they should not be allowed to suffer for water or milk to drink. Feed corn sparingly but do not dispense with it altogether. Give them a shady place in which to wallow and make them dig their feed out of straw or litter. Meat of any kind is hardly necessary if the hens are at liberty, as bugs abound and they will get a good many in the course of a day. Shut up the cocks so they will not worry the hens and more eggs will be received than would be if the cocks ran with them all the time. Make hens lay well during July and August and you may call yourself an accomplished poultry breeder.

Do not for a minute let up on the war against lice and mites. They are an ever menacing enemy who should never be allowed to get a foothold anywhere about the poultry house. Paint the perches with kerosene once a week and you will be safe.

Keep the early hatched chickens off the roost as long as possible. It is sleeping on a perch at too early an age that makes crooked breast bones and while these do not interfere with laying or breeding, no one likes to have a brother fancier pick up a fowl and say: "This is a mighty fine bird, but I notice it has an awfully crooked breast bone. That's too bad for it spoils it for a show bird."

During this month select out the old hens—those over two years old—and sell them. It has been proven by experiments, at least two of the government experiment stations, that it does not pay to keep a hen after she is two years old. In one of these experiments the old hens produced a fair number of eggs during the year, but they were produced at a time when eggs were low in price, and the profit of keeping them was much smaller than it was in keeping the same number of pullets. There is not a single good reason for keeping an old hen unless she is an extraordinary good show bird and is wanted to breed from. The end of most hens is to appear on the bill of fare in city restaurants as spring chicken or chicken pie, or in some way which goes through the pot or pan, and she might just as well be killed as soon as she has passed the period of greatest profit as to keep her for a year or two without profit or at a loss. Chickens can be raised with profit and the more we raise the more money we make. While we are raising chickens, we can easily pick out the nicest pullets to keep for laying and sell the older ones. They will bring as much in July as they will later and probably more, and the best thing to do with them is to shut them up, feed them all the corn they will eat for two weeks and sell them at the market price. This year they have ruled high and as this is written, they are worth 9 to 10 cents a pound in Chicago, which is probably more than they would bring if kept three or four months longer.

MILLER PURVIS.

Lake Forest, Ill.

ST. LOUIS FANCIER'S ASSOCIATION.

St. Louis, Mo., June 17, 1899.

Editor American Poultry Journal.

DEAR SIR:—The St. Louis Fanciers' Association wishes to announce to your readers some of the important features of the 6th annual Poultry, Pigeon and Pet Stock Show which will take place in St. Louis, Mo., Jan. 1 to 6, 1900. The first and most essential thing to be considered is the matter of show room. St. Louis heretofore has always been handicapped in not being able to secure suitable hall or room to hold show in. But for our next show we have overcome this difficulty and now offer fanciers and breeders one of the finest show halls in America. The Grand New Coliseum has been secured and we will have abundance of room for poultry, pigeons, pet stock, incubators, brooders and specialty manufacturing displays, in fact, we will have room to burn, and we intend giving a *warm* show, too. The St. Louis Fanciers' Ass'n has extended an invitation to the American Poultry Ass'n to meet in St. Louis during our show, and promises them a good time and a good show. St. Louis, the Convention City, has everything at hand necessary to entertain its distinguished guests, elegant hotels, numerous play houses, etc., and central location. We have reasons to believe that we will be honored by securing the meeting.

The pigeon breeders will be on hand in large numbers, several specialty clubs having already decided upon meeting in St. Louis.

Another feature of this show will be the exhibit of pet cats; from St. Louis alone some 30 fine cats are promised. During the afternoon and evening a concert will be given by a select orchestra for the entertainment of the visitors.

The judges selected so far are for poultry, Sharp Butterfield, London, Ont.; H. A. Bridge, Columbus, O. Pigeons, Geo. Ewald, Cincinnati, O., and F. M. Gilbert, Evansville, Ind. Liberal premiums will be offered in all classes of poultry and pigeons. Premium list ready Nov. 15.

JOHN A. FRANCISCO, Secretary.

THE AMERICAN ROSE COMB BROWN LEGHORN CLUB.

New Albany, Ind., June 20, 1899.

Editor American Poultry Journal.

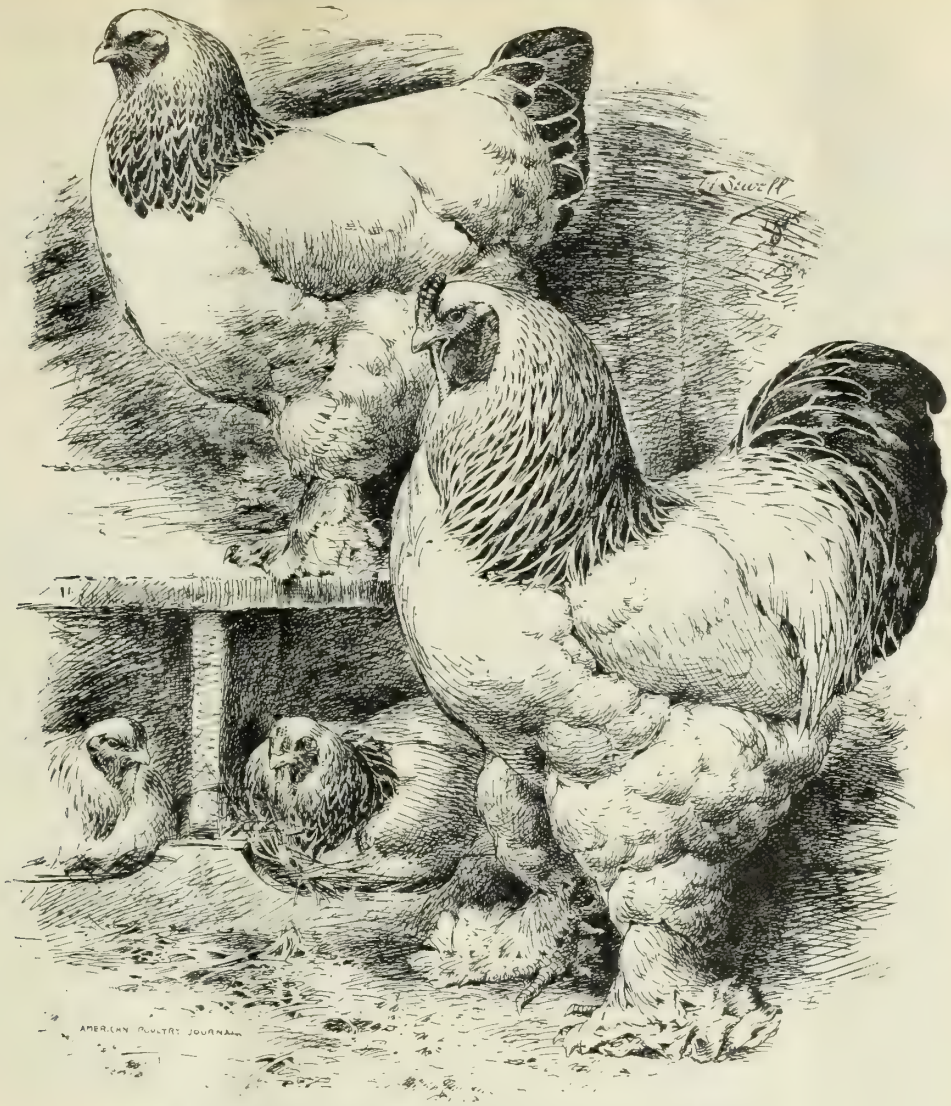
DEAR SIR:—Through the columns of your valuable publication the writer desires to announce to your readers, and especially to those who breed *Rose Comb Brown Leghorns*, that on the 1st. inst., at a meeting called for the purpose, by a number of poultry fanciers in this vicinity, the *American Rose Comb Brown Leghorn Club* was organized, and the following officers were elected:

President, W. W. Kulp, Pottstown, Pa.; Vice-Pres., L. L. Doolittle, Bernardston, Mass.; Sec'y-Treas., Charles M. Zink, New Albany, Ind.

Executive committee: Including the three officers named above, and M. V. Norys, Cranford, N. J.; W. Theo. Wittman, Allentown, Pa.; H. C. Watson, Clyde, N. Y.; S. G. Allured, Ionia, Mich.; J. L. Randolph, Bartlett, O.; Geo. Stahmer, Oak Park, Ill.

Advisory Board: Henry E. Voigt, Hamburg, Wis.; L. M. Varney, Spokane, Wash.; C. R. Milhous, Indianapolis, Ind.; Lewis H. Boyles, Meadville, Pa.; N. Stedem, Marshall, Mo.; A. A. Gray, Redwood Falls, Minn.; J. M. Correll, Lewisburg, W. Va.; C. J. Lancaster, Maywood, Ill.; Lewis P. Plagman, Minden, Ia.; B. H. McGrew, Boise City, Idaho; L. P. Baird, Bogart, O.; R. E. Woollard, Sixteen Acres, Mass.; Dr. P. E. Martin, Seward, Ill.; Harry Turner, Beloit, Wis., and Frank R. Ecker, Lowell, Mich.

The club is exclusively an organization of Rose Comb Brown Leghorn breeders, and its interests are not merely local or personal in any manner. Its work is thoroughly national, and deserves the support of every progressive, broad-minded, public-spirited Rose Comb Brown Leghorn breeder in the country. The object of the club is to advance the interests of the Rose Comb Brown Leghorns and their breeders in every pos-



STANDARD LIGHT BRAHMAS, BY F. L. SEWELL.

sible way. The membership fee has been fixed at $1, and we cordially invite every reputable Rose Comb Brown Leghorn breeder in the country to join the club. All correspondence cheerfully answered. We now have (June 20) 45 charter members, and all new members received up to Aug. 1 will be placed on our charter membership list. Send one dollar at once to the sec'y-treas. for membership card, which will be mailed promptly, and thereby help swell the list and help the good cause along.

Fraternally,
CHARLES M. ZINK, Sec'y-Treas.

INDIANA POULTRY ASSOCIATION.

New Albany, Ind., June 13, '99.
Editor American Poultry Journal.

DEAR SIR:—The next annual exhibition of the Indiana Poultry Ass'n will be held at New Albany, Ind., Jan. 8 to 13, 1900. The Ass'n has been incorporated with a capital stock of $1,000 and the following officers elected: Pres., A. Heimberger; Vice-Pres., R. H. Bailey; Secretary, Frank Heck; Treas., L. G. Pleiss. Preparations are now being made for the next show and it is the intention to make it one of the largest and best ever held in the state. Liberal cash premiums will be offered on all varieties and judges Pierce and Heimlich have been engaged to place the awards. The character of the shows held at New Albany in the past is sufficient guarantee that the next one will be thoroughly up-to-date and will as usual contain some of the best fowls to be found in the neighboring states as well as in Indiana. We have something of interest to every exhibiter of poultry in Ohio, Ind., Ill. and Ky., and would be pleased to have them send their name and address to the secretary.

FRANK HECK, Secretary,
New Albany, Ind.

ILLINOIS STATE POULTRY, PIGEON AND PET STOCK ASSOCIATION.

Bloomington, Ill., June 9, 1899.
Editor American Poultry Journal.

DEAR SIR:—The Illinois State Poultry, Pigeon and Pet Stock Association will hold its annual exhibition in Quincy, Ill., Jan. 8 to 13, 1900. The entry fee has been reduced to 50 cents per bird. The same liberal cash premiums will be paid as at Chicago last January. We are sure we can do this as our expenses will be much less.

Hewes, Russell and Nevius are to do the judging with other helpers as we find we need. In addition to regular cash premiums we shall offer $5 to $10 in cash as specials. Some new features are now being prepared and everything points to a good show. Resp'y,

S. S. NOBLE, President.

SANTA CLARA VALLEY POULTRY CLUB.

Eden Vale, Cal., June 12, 1899.
Editor American Poultry Journal.

DEAR SIR:—The annual exhibition of the Santa Clara Valley Poultry Club will be held at San Jose, California, November 15 to 18 inclusive.

W. P. LYON, Secretary,
Eden Vale, Cal.

ARKANSAS STATE POULTRY AND PET STOCK ASSOCIATION.

Pine Bluff, Ark., June 22, 1899.
Editor American Poultry Journal.

DEAR SIR:—The 3rd Annual Show of the Arkansas State Poultry and Pet Stock Association will be held at Fort Smith, Ark., December 18 to 23. Judge H. A. Bridge, of Columbus, Ohio, will judge it. W. H. Westbrook, Pine Bluff, is president; H. B. Mizell, of Pine Bluff, Sec'y, and Will R. Gannaway, of Fort Smith, is Assistant Sec'y. Yours truly,

W. H. WESTBROOK, President.

KANSAS STATE POULTRY ASS'N.

The 11th Annual Exhibition of the Kansas State Poultry Ass'n will be held at Topeka, Jan. 8—13 inclusive. Frank H. Shellabarger, judge; J. W. F. Hughes, Topeka, Kan., secretary. The interest of the poultry industry of the state of Kansas has been materially increased and benefited by the reason of the last Annual Show, there being nearly 1,000 birds, exclusive poultry on exhibition. This is the largest exclusive poultry show west of the Mississippi River. The attendance was most remarkable and many big sales were made. Every premium was paid in full and the whole city of 40,000 inhabitants will turn out to our show. Reduced rates have been obtained on all the railroads, which will bring immense crowds from out over the state. The Topeka Commercial Club are backing us this year, and there is no question but what Kansas will have the largest exhibition west of the Mississippi River. Up to last year the interest has been dormant, but by reason of the most remarkable collection of fine birds coming from many other states, and the exceedingly large number of sales, the subsequent sale of eggs on the strength of the state exhibition has renewed the interest of the fraternity, not only in Topeka, but through Kansas. Our officers are all energetic, pushing business men, we are chartered under the laws of the state of Kansas, and our premiums will be guaranteed by one of the national banks of the city. A handsome premium list is now being compiled, and we would suggest to the readers of the A. P. J. that they do not fail to send for a premium list.

FLOWER CITY POULTRY AND PIGEON ASSOCIATION.

Rochester, N. Y., June 18, 1899.

Editor American Poultry Journal.

DEAR SIR:—I take pleasure in announcing to you the consolidation of the breeders and fanciers under the above named society; the officers are members of all the old associations, which will be immediately dissolved upon the purchasing of their properties by the new organization. We have already assumed the show dates of the Fanciers' Club and will judge by comparison, and those wishing may have their birds scored. Hoping that you will kindly give space to the above and change of secretary, I am yours, etc.,

JOHN DRECHSLER, Sec'y.

WISCONSIN STATE POULTRY ASSOCIATION.

Secretary W. H. Laabs describes as follows the incorporation of the Wisconsin State Poultry Association:

This association was organized Nov. 14, 1897, as the Waupaca County Poultry Association, and under that name held its first show January 25 to 27, 1898. The results were marvelous. A more enthusiastic little band never got together, and we all felt so delighted with the benefits derived that we desired all to join for the purpose of building up a still better organization.

At a later meeting our name was changed to the Central Wisconsin Poultry Association, in recognition of members coming to us from all over Central Wisconsin.

Our recent show was held in Waupaca Jan. 24 to 27. At this show we had nearly one thousand entries. After buying coops enough to coop one thousand birds and paying all premiums we have now a nice little balance on hand. In recognition of members joining us from all over the state and now numbering nearly one hundred good live members, all putting their shoulders to the wheel, the association incorporated as the Wisconsin State Poultry Association.

We realize now that the only way to keep abreast of the times is to join an association and exhibit our stock. You will realize the same thing.

The next show will be held in Waupaca Dec. 25 to 31. Thereafter the place of exhibition may be changed annually at the will of the association to any city in Wisconsin.

GALENA POULTRY ASSOCIATION.

Galena, Ill., June 21, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your favor of yesterday inquiring about our next poultry show is at hand. Our show will be held Dec. 27 to 30 inclusive; myself secretary and F. H. Shellabarger will judge. We are looking for a grand exhibit, a great many new fanciers having started here in our vicinity since our last show. We shall offer about $200 in special cash premiums. Shall print a fine premium list 6x9 in size. Yours very truly,

F. J. HOELTING, Sec'y.

INDIANA BUFF PLYMOUTH ROCK CLUB.

This club has perfected a temporary organization. The first meeting will be held in Indianapolis during the State Fair. This will no doubt be a great success and prove a benefit to the American Buff Plymouth Rock Club. J. C. Brown, of Campbellsburg, Ind., is secretary-treasurer.

PLYMOUTH CO. (IOWA) POULTRY ASSOCIATION.

Le Mars, Ia., June 21, 1899.

Editor American Poultry Journal.

DEAR SIR:—The 3rd Annual Exhibit of the Plymouth County (Iowa) Poultry Association will be held at Le Mars, Ia., the first week in January, 1900. F. H. Shellabarger, judge; G. A. C. Clarke, secretary. Our exhibitions have so far gone on record as successes in every respect. We have always paid our premiums in full, and have had a balance in bank at the close. Those fanciers who are looking for hot competition in the Barred Plymouth Rock and White Wyandotte classes will find what they want in this line, and a hearty welcome to boot, at Le Mars next January.

G. A. C. CLARKE, Sec'y.

The Beecher family is one whose branches are very many and whose lines of work are as varied as the individuals. It is a grandniece of Henry Ward Beecher, Mrs. Charlotte Perkins Stetson, who is at present very much to the fore in relation to the economic emancipation of women. In the July number of the Cosmopolitan Mrs. Stetson will wage a pen warfare with Prof. Harry Thurston Peck over an article in the June number of the Cosmopolitan, "The Woman of To-day and To-morrow." Mrs. Stetson has something in the June number—a four-line poem on "Queer People." The illustrations by Oliver Herford are themselves queer.

A BLUE ANDALUSIAN EGG RECORD.

Coatesville, June 13, 1899.

Editor American Poultry Journal.

DEAR SIR:—As a subscriber to your paper, will send you my report of egg record. As this is my first year in fancy poultry raising, will give you the record of Blue Andalusians. I have one pen of Blue Andalusians, four pullets and one cockerel. They began laying on the 20th day of November, 1898.

November	10	eggs
December	50	"
January	60	"
February	85	"
March	93	"
April	105	"
May	107	"
To June 13	52	"
Total	562	eggs

I believe the Blue Andalusians when kept under proper condition, the greatest all-around egg producers in existence. Would like to hear some reports of other Blue Andalusian breeders through paper as I have never read any reports of them.

H. B. HUGHES.

EVANS MFG. CO. REMOVED TO DETROIT, MICH.

Ypsilanti, Mich., June 26, 1899.

Editor American Poultry Journal.

DEAR SIR:—The Evans Mfg. Co., manufacturers of the Evans Vegetable and Root Cutters, have moved their factory from Ypsilanti to Detroit, Mich.

The change was made necessary owing to the increasing demand for our machines, and requiring larger quarters, decided to locate at Detroit, to obtain better manufacturing and shipping facilities. A. P. J. readers will please address all future correspondence to Detroit, Mich. Yours very truly,

EVANS MFG. CO.,
Wm. Evans, Genl. Mngr.

PLAINFIELD POULTRY FARM CATALOGUE.

We have yet to see a finer poultry catalogue than that of the Plainfield Poultry Farm Co., of Plainfield, N. J. It contains 40 pages and cover, size 8½x11 inches. It is printed on the finest paper, which brings out and produces best results in the half tone illustrations of birds and views of the farm. In this catalogue is contained information regarding their stock and in addition are printed answers to the many questions generally asked by buyers. This is a splendid feature, and it saves much labor in replying to inquiries. The responsibility of the advertiser in "following up" inquiries is clearly met and performed. It is as well a practical guide for the beginner in poultry culture, and will be sent to any address on receipt of 20 cents in stamps or silver.

The Fanciers' Club of Sharon, Pa., give their next exhibition Jan. 17-19, 1900. There will be an exhibition of dogs, poultry, pigeons and pet stock. Eli Thornburg is superintendent of the Kennel Department, J. S. Hoffman, superintendent of other departments.

The Sprague Commission Co., 218 S. Water street, Chicago, is having a great sale of their "Pikes Lice Destroyer." They will send to any address their booklet "Hints to Poultry Breeders and Shippers."

HOW TO START IN THE POULTRY BUSINESS WITH A CAPITAL OF $100.00.

In compliance with your request that I should inform you just how I would proceed were I to begin over again in the poultry business, and that on a small capital, say $100.00, I reply as follows, hoping it may be the means of helping some pent-up or pinned-down mortals to help themselves.

Of course, we all understand that one could not go into the business with *so small a capital* unless one's own living was provided for, and one had at least a half of one's time to devote to it.

The main question is: In what way would the shortest time be required to obtain a steady income from poultry? To this I reply, by raising early hatched pullets of some non-sitting breed, hatched in April; earlier they would need a brooder house, and later they would not lay by October. I think the White Leghorn preferable for this purpose, because there are several strains bred up to great egg production, and also because they are easier to obtain in large numbers than are most other kinds and mature fully six weeks earlier than any sitting breed.

I would buy my chickens ready hatched and just from the incubator, thus postponing all experiences with incubators, infertile eggs, and lice until the next winter. Then, with a nice little income and plenty of eggs to experiment with, I could hatch my own chickens without danger of entire failure if I should spoil a batch of eggs.

Newly hatched chicks should never be fed until they are twenty-four hours old, and it does not harm them to go forty-eight hours without eating. People are taking advantage of this to express the little things quite long distances with perfect safety. They are placed in shallow boxes carefully lined with paper, and so keep each other warm, and are sold at $8.00 to $10.00 per hundred. I have never purchased any, but know those who have, and they were strong and healthy and grew up well, none the worse for their 800 mile ride from "down east."

As an average of half the chicks that are hatched are males, and even the most experienced lose a portion in the rearing, to be sure of 100 to 125 good pullets left in the fall, one should purchase 300 little chicks, which would require, say, $30.00. But, while the earlier they are engaged, the surer one is to get them just when they are wanted; that is, early in April, yet there is much to do in order to be ready for them when they do come, for if there is one harmful thing above all others in the business it is to have a hatch on hand one is not prepared for. Either crowding together to keep warm, catching cold, and its sure result—bowel trouble—or even oft-repeated tumbling over each other, is sure to end in disaster.

The brooders should all be set in sheltered places some distance from each other and kept running at least three days before the chicks arrive, so they will be dry and warm and any possible fault discovered and corrected.

Select any good hot air brooder of the size claimed to be large enough for 100 chicks; get the exact size of the space under the hover, and do not put over fifteen chicks to the square foot.

Chicks hatched early in April will need to be brooded at least eight weeks, and if they do not have room under the hover as they grow larger they will take cold and die. So I repeat that sixty chicks is a great plenty for a hover two feet square and open on all sides. Small brooders of this kind will cost $5.00 or $6.00 each, and five is the least that will answer for 300 chicks. These should either be, according to what kind is selected, connected with or set into a frame made like a cold frame nineteen or twenty inches high in the front, and at least seven inches higher at the back. This brooder frame should be six feet square, with tight unmatched board floor nailed on the outside of the bottom, and the top should be covered with one three by six foot cold frame sash over the side where the brooder is, and a cover of matched flooring the same size for the other half, with the battens on the outside so it will slide easily. These covers should be hooked on as a security against winds. A small hole, about eight by eight inches, should be made near the corner at the bottom of the front or lowest side, to be closed by a sliding piece moving sidewise; and there should also be a lamp hole if the brooder is inside, or a suitable tight connection with the brooder if it is outside.

Our next need is a bolt of one inch mesh poultry wire twenty-four inches wide, a bolt being 150 feet long. In buying the lumber for the brooder frames there should also be selected eight twelve-foot boards seven inches wide. These are for five screen frames three by six feet, each of which will require five running feet of the wire. These are to be used on the brooder frame under the board cover, and also secured by hooks.

This enables one to give all the air necessary on warm nights and during summer rains, keeping the chickens in and the vermin out; and on hot summer mornings while the grass is still wet from dew or rain the board cover can be shoved over onto the sash, thus avoiding all danger of overheating the chickens under the glass. The remainder of the wire is for five yards to keep the little chicks close to the brooder the first three or four weeks. These are very simply made by fastening the wire with staples to one by two inch stakes two and one-half feet long, sharpened at the lower end. Fasten one on each end of a twenty-five foot piece of the wire and one every five feet between, pulling up one end stake from the ground when a gateway is needed. These little yards can be rolled up, stakes and all, and laid away when not wanted.

This twenty-four inch wire costs about $3.00 per bolt, and work in the winter can usually be secured at quite reduced rates if the carpenter is given the work by the job, and plenty of time so he can do it when he has nothing else on hand.

Let it be understood that these brooder frames are all the shelter these chicks will need until November 1st, by which time most of the pullets should be laying. If the brooders are inside, remove and store about the first of June, face the frame to the north on fresh ground, and put dry earth and straw on the floor, and later perches may be added.

Now, we are ready for the chicks, and when they arrive take each one in the hand and dip its beak into water to be sure all have a first drink, then set them on the floor at the end of the hover, having previously covered it with very fine egg-shell; in a few minutes sprinkle down bread crumbs, and in two hours rolled oats. Keep drink before them all the time, and they will never drink too much, but never give them any in open dishes. A tomato can with three small equidistant nail holes one-quarter inch down the side from the open end, filled and inverted into a saucer, makes the best of fountains as well as the cheapest. During the first week or so it is a good plan to beat a raw egg into a pint of sweet skimmed milk for each fountain once a day.

If the chicks arrive on a cold or cloudy day, feed them in a warmed box by the fire and put them immediately under the hover, using every precaution that they do not get chilled in the least.

When they are a week old begin giving them their rolled oats in their yards on very nice days. We must now be on the alert, feed little and often, early and late, and keep everything dry and clean. On these depend success.

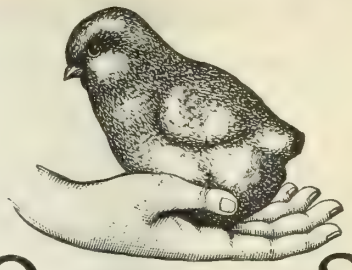
With care we would have about $15.00 of our $100.00 left toward the feed and kerosene. The remainder will be provided for by the sale of, say, ten dozen cockerels, which should be sold to make room as soon as they reach broiler size, reserving the best ten from which to select the necessary breeders.

The pullets, if well cared for, will begin to lay about October 1st, and if comfortably housed and given a variety of food, and sufficient exercise will continue to lay for ten months, thus giving a steady income of $5.00 to $7.00 per one hundred fowls per week above feed expenses during the first winter, which is better than many do after considerable outlay and several years of experience

Written for Darling & Co. by

MISS M. E. SERVOSS,
Supt. Edison Park Poultry Farm.

HATCH Strong



CHICKENS

Then keep them healthy and growing if you want the *Pullets to lay* when five months old. When hens lay eggs for hatching mix in their food every other day

Sheridan's Powder.

It strengthens the hens; makes the rooster *more vigorous*; finally you get more fertile eggs and strong healthy chickens. Persons who *succeed best* in keeping Poultry, commence with little chicks; giving twice a week an even teaspoonful of Sheridan's Condition Powder mixed with each quart of food, gradually increasing the dose. Sold by druggists, grocers, feed dealers or by mail. Single pack 25 cts. Large can $1.20. Six cans, $5. Exp. paid L. S. JOHNSON & CO., 22 Custom House St., Boston, Mass.

Elmira, N. Y., June 13, 1899.

To Whom It May Concern:

I have this day sold to Judd H. Johnson, of Elmira, N. Y., secretary of the Elmira Poultry Association, my complete stock of Brown Leghorns, consisting of 10 cocks, 60 hens (these are all my winners and past year's breeders), 400 chicks, good will and Brown Leghorn cuts.

I can recommend Mr. Johnson to my patrons as a reliable and honest man, backed with a knowledge of how Brown Leghorns should be bred.

I shall continue breeding the Buff Wyandottes only.

Adv. C. E. HOWELL, Elmira, N. Y.

B G. Smith, Elmira, N. Y., Rose and Single-comb White Leghorns and White Wyandottes.

National Fanciers' Association of Chicago

DIRECTORY NATIONAL FANCIERS' ASSOCIATION OF CHICAGO.

The Fourth Annual Exhibition of the National Fanciers' Association of Chicago will be held in this city January 22 to 27, 1900.

President—W. W. Hogle.
First Vice-President—L. H. Fuller.
Second Vice-President—C. A. Damon.
Treasurer—L. B. Richardson.
Secretary—Fred L. Kimmey.
Asst. Secretary—K. J. Muir.
Directors—A. E. Brown, B. F. Hedges, J. C. Pratt, Wm. Plaehn, F. B. F. Rhodes, P. H. Sprague, F. W. Ward, M. Wagner.

Regular monthly meeting is held at the Sherman House the first Wednesday in each month at 8 p. m.

The National Fanciers' Association of Chicago have adopted a novel method of bringing to the notice of the general public the beauty of thoroughbred fowls and fancy pigeons. Arrangements have been made whereby the association, through its members, are to maintain a permanent display of birds in Lincoln Park, Chicago, one of the largest and finest parks in the United States. The birds are to be placed in spacious coops provided by the park commissioners. The poultry coops are large enough to accommodate a pen of birds and each is provided with a small runway facing a much frequently walk; they are located in good shade, the runs are enclosed with half inch iron bars on sides and top and wild grape and ivy vines run over the tops, so that the appearance is very attractive. Each pen is locked securely and no one has access to the birds but the head animal keeper, the well known Cy DeVri. There are eight of the poultry pens and all are occupied by good birds from well known breeders.

The pigeon lofts are in a newly completed building and are very roomy and attractive, there are seven of them, each will house 25 to 30 birds; they face the walk and at the back are warm roosting quarters. The building is a beautiful one built of brick, stone and iron, everything being provided for the safety and comfort of the fowls.

On each of the pens and lofts is a neat sign giving the name of the variety and stating that they were furnished by the National Fanciers' Association. Both the poultry and pigeon quarters are in the animal department and near them are hundreds of specimens of rare animals and birds, as well as the lagoon in which are seen swans, stork, cranes, pelicans, wild geese and many varieties of domestic water fowl.

The display is under the supervision of a committee of the association, consisting of the president, W. W. Hogle, Dr. A. D. Lowell and B. F. Hedges, of the poultry department, and F. W. Ward and F. J. Cilek, of the pigeon department. The birds are inspected frequently by the committee to see that all are in good condition. The park officials are co-operating with the committee to make the display a success and every request as to care, feed and equipment has been cheerfully complied with. The display is to be kept up with birds loaned by the members, each lot to remain not less than one month and as much longer as the committee may determine with the consent of the owner; the owner may withdraw them at any time after they have remained one month. Should a bird get seriously out of condition it will be immediately turned over to the owner and may be replaced by another. No birds will be allowed to remain longer than one month to the exclusion of birds of another member who wishes to exhibit.

Applications for entry are made to the president of the N. F. A., as well as applications for withdrawals, as birds will not be received for the exhibit or returned to exhibiter excepting on his order. Birds are receipted for and the best of care given to prevent accident or sickness.

The fertility of eggs from poultry is destroyed and any young pigeons hatched are returned with old birds to owner.

No individual advertising is allowed but the names of exhibiters will be given to enquirers by the head animal keeper.

The object in making the display is to create an interest in thoroughbred birds, as they are seen and admired by thousands of visitors at this most interesting portion of the park every day and it is believed that the display will be a great aid in stimulating a desire with many to own fine birds.

W. W. HOGLE...

THE NATIONAL FANCIERS' ASSOCIATION OF CHICAGO.

The date of the 4th Annual Exhibition of the National Fanciers' Association of Chicago has been changed from the second to the fourth week in January. The Fourth Annual Chicago Show will be in Chicago January 22, 23, 24, 25, 26 and 27.

The method of awarding prizes will be as follows: Two judges will be selected for each variety, acting together they will place the awards for the first, second, third, fourth and fifth prizes by comparison. Should the two be unable to agree, a third judge, chosen from the regular staff with a view to his qualifications in this particular variety, will be called in to break the tie. After all ribbons are placed, all specimens not taking prizes will be scored by the two judges in the regular manner, one scoring the cocks and pullets; the other the cockerels and hens.

The judges selected so far are: W. S. Russell, Ottumwa, Ia.; Mr. Thomas F. Rigg, Iowa Falls, Ia.; Mr. B. N. Pierce, Indianapolis, Ind.; Mr. Geo. F. Pitkin, Chicago, Ill.; Mr. A. E. Brown, Morgan Park, Ill.; Mr. Waldon, Watervleit, Mich.; Mr. Haley, Detroit, Mich.; Mr. J. H. Clark, Chicago; Mr. L. S. Taylor, Sibley, Ill.; Mr. C. A. Damon, Chicago. Negotiations are in progress with other prominent judges of national reputation and at least two or three more will be engaged.

$560 worth of cups for special premiums have been purchased. The association has coops for over 3,000 birds and has them paid for. There is cash in the treasury amounting to $1,185.41. All debts are paid and there is $435 due the association. With this financial condition, the management feels justified in offering liberal cash premiums which will be announced in due time.

FRED L. KIMMEY, Sec'y.

THE COMING GREAT CHICAGO SHOW.

The National Fanciers' Association will hold its fourth annual exhibition January 22, 23, 24, 25, 26, 27, 1900, and from the present indications it will be the greatest exhibition ever held and every member of the above association can well feel proud of the flourishing condition that the National Fanciers' Association of Chicago enjoys, having paid every debt, besides paying about $600 cash for the latest designs in coops and are prepared to coop over 3,000 birds. There is cash in the treasury, $1,500. I am also informed that the association has paid nearly $650 in cups for special premiums and at the present its management are doing everything in their power to engage the very best of judges. A number have been already selected and two or three more will be engaged.

There have been placed on exhibition during the summer months in Lincoln Park both fancy pigeons and chickens, and each member of the association has a privilege of placing his birds in this most beautiful park for the period of six weeks. The same are well taken care of, each variety being placed by themselves. Placing birds in the park will certainly prove a great advertisement for the National Fanciers' Association, for the crowd that attends Lincoln Park daily numbers way into the thousands and on a Sunday it is almost impossible to get a glimpse at its birds, as it seems that everybody goes to the park for just one purpose, which is to see the beautiful birds that have been placed there on exhibition by the members of the National Fanciers' Association of Chicago.

H. C. REINHOLD.

Chicago, Ill.

S. B. Johnston & Co., of Boggstown, Ind., write us that they have just received a letter from a customer in Cape Town, Africa, stating that after the pen of turkeys had been on the water for over two months he was pleased to inform them that they had arrived in good condition and fair order considering the length of time they were cooped up. Mr. Johnston expects to exhibit at the Cape Town Poultry Show in February.

The Beecher family is one whose branches are very many and whose lines of work are as varied as the individuals. It is a grandniece of Henry Ward Beecher, Mrs. Charlotte Perkins Stetson, who is at present very much to the fore in relation to the economic emancipation of women. In the July number of the Cosmopolitan Mrs. Stetson will wage a pen warfare with Prof. Harry Thurston Peck over an article in the June number of the Cosmopolitan, "The Woman of To-day and To-morrow." Mrs. Stetson has something in the June number—a four-line poem on "Queer People." The illustrations by Oliver Herford are themselves queer.

Scribner's Magazine for July has as a frontispiece a fine wood engraving by Gustav Kruell. It is from a very rare daguerreotype of Daniel Webster, and accompanies Senator Hoar's paper on Webster, for which he has been collecting material for many years. There are a number of unpublished manuscripts and some new material revealing how Webster prepared his great speeches.

B. G. SMITH, Elmira, N. Y., White Leghorns, White Wyandottes.

PLAINFIELD POULTRY FARM, PLAINFIELD, N. J.
Interior of Latest Improved Brooding House for Chicks.

CORRECTION.

In our June issue we printed a half tone illustration showing the interior of the latest improved brooding house for chicks, built and in operation by the Plainfield Poultry Farm, of Plainfield, N. J. The effectiveness of this was spoiled by our describing this incorrectly, as the interior view of their laying house. We publish this correction and again produce the illustration correctly described.

PROFITS IN DUCK RAISING.

WHITE AYLESBURY DUCKS.

HISTORY: — The White Aylesbury Ducks are second to the Pekin for market purposes and are bred in large numbers in England and Europe. In this country they are not so extensively bred as the Pekins, neither have they been found as good as the latter. These ducks receive their name from Aylesbury, the county town of Buckinghamshire, England. They are large size, pairs occasionally reaching 18 pounds.

DESCRIPTION:—The head of the Aylesbury duck is long and neatly formed; the eyes of a deep leaden blue color; the long wide bill is of a pale flesh color or pinkish hue and should be free from dark spots, bills marked with black being a disqualification; the neck is slender, long and gracefully curved; the body is long and oval; the breast is full and round; the strong shanks are of brilliant light orange color; the wings are strong and nicely folded; the back is both long and broad and the tail formed of stiff, hard feathers. The soft white plumage is one of the chief attractions of the Aylesbury breed and like most white plumage has a tendency to assume a yellow hue if exposed to the sun. The beak will also become yellow if exposed to too much sun in the summer. The bill of the Pekin should be yellow, but the bill of the Aylesbury should be a delicate pink or flesh color and birds intended for exhibition must possess this quality or they will suffer at the hands of the judge. Birds raised for this purpose must be guarded against too much exposure to the sunlight in the summer. These delicate points are of no consequence to the market poulterer other than to show the true type. For farm purposes the Aylesbury is to be recommended second only to the Pekin; it has the many good qualities of the Pekin and can be bred with almost as good success. Raisers use for exhibition purposes, one drake to two ducks or two drakes to five ducks, all being allowed to run together. Duck raisers who raise them for market purposes use one drake to six or eight ducks, according to the season of the year. Fresh blood introduced every year will keep up the size. Breeding stock should not be kept longer than the second year. The English people raise them in great numbers. They have a house put up next to their dwellings and failing to have such a place they keep them in the cottage itself. They all run together and the ponds are looked upon as common property. Every night each man drives his own up to his dwelling. They sell the eggs to the "duckers" (dealers peculiar to the trade) who make contracts for the eggs for a season. In plumage the Aylesburys are pure white and feathers of any other color will disqualify them. The drake is larger than the duck.

WEIGHT:—The standard weight of the adult drake is 9 pounds; adult duck, 8 pounds; young drake, 8 pounds; young duck, 7 pounds.

EDWIN W. FLY.

Chalfont, Pa.

Geo. Stahmer, of Oak Park, Ill., writes that he is closing out his stock of this year's R. C. Brown Leghorn breeders at a bargain.

D. Lincoln Orr, of Orr's Mills, N. Y., is advertising for sale his fine poultry farm.

The Reliable Incubator and Brooder Co., of Quincy, Ill., have placed on the market a new spring lever poultry punch.

The best way to get rid of the angle worms is to scatter a quantity of strong lime all over the poultry runs or yards early every spring and you will never have any more gapes in your flock.

HIGLEY'S LIGHT BRAHMAS

Winners of more prizes at the great Chicago show in 1897-98-99, than any other strain. Eggs, $4.00 per 13, $7.00 per 26, $9.00 per 39.
Eight grand matings. Send for catalogue. WILLOWHURST BRAHMA YARDS, CEDAR RAPIDS, IOWA.

THE AMERICAN POULTRY JOURNAL

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Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a favor by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

All copy for advertising and manuscripts for publication should reach us not later than the 20th of the month preceding the date of issue.

ETHICS OF JUDGING.

One of the surest evidences of prominence in the eyes of the public is the fact that a man's work, in his chosen profession, elicits comment. At first that may be, and generally is, favorable mention; but criticism soon follows and the man rises to higher rank only over the rocky road of severe trial. When his head comes up above the level of mediocrity it is a target for critical shots. No man attains to eminence without a few scars. The Journal has seen a number of men arise and fall in the field of poultry judges. Just now we are watching a conspicuous figure, in which we have had a most friendly interest for several years. As in all other cases, The Journal is strictly impartial. These pages have for more than a decade been free from favoritism or individual aspirations. The good of the "Cause" alone actuates us in all we do and say.

As Garfield once remarked, "the unexpected always happens." So it is in the train of circumstances which has led to these remarks.

Last winter a bird was disqualified by one of the judges at the Chicago Show. This seems like a trivial thing, when coolly written; but the conditions surrounding the incident were such as to develop the matter into one of more than ordinary importance. The rightness and justice of the action was publicly commented upon. These statements found their way into print. The judge, W. S. Russell, was upheld, as he should be; but the owner of the disqualified specimen made statements on issues of fact that placed not only Mr. Russell but also the owners of high winners at that show at a disadvantage. In this number of The Journal we give their side of the case. With these statements we close that controversy.

But there remains another question—one which was our only cause for admitting the debate originally. That is: the ethics of the show-room. Mr. Russell did right. He proves this by his communication, and is sustained by others. He demonstrates the conscientiousness of his character and the courage of his judicial convictions. We are glad to know that such a man is to be of the staff of judges at the next show in Chicago. We admit to our columns his animadversions on Isaac K. Felch, regarding the act of feather-pulling, because we were amazed at Mr. Felch's declaration, in the June issue, and we regard Mr. Russell's point well taken. A judge must be governed by the law and the evidence. One who is not, is scarcely to be retained in that office. Obey the law for the law's sake.

BEGINNING RIGHT.

In nothing does a good beginning count for so much as in raising turkeys. Many are not very successful in turkey growing, and after they have given as good care as they know how, they wonder why they fail. The beginning should be good. What does that mean? It is a common practice among short sighted turkey growers to pick out all the best for market, keeping the smaller ones, under the impression that they will grow large enough by the time they are wanted for breeding. This is a grave mistake. In a flock of turkeys there will be those that are better developed, bigger boned—and these are just the kind needed for breeding purposes.

To achieve success in turkey growing it is well, therefore, to make a good beginning by selecting the best hens in the flock—good, deep, blocky birds, with large bone and short legs, and dispose of the long legged, loose built ones. To make a success does not really mean the selection of a certain breed, for the breed of your choice may make you more money than any other. The Bronze is a very excellent breed, and any of the breeds which has a large sprinkling of the wild blood in it will do very well. The greatest trouble with the sorts with wild blood in them is that they are harder to keep near home, and are very easily frightened.

Having selected the breeding stock, which should be done in the fall, they should be wintered in the best condition without too much fattening, which can be done by letting them run out all the time. You will be in a position to start in right.—*Homestead*, Iowa.

PROFIT IN POULTRY.

To my mind there are few departments of the farm which yield a better return in proportion to the amount of money invested than the poultry yard.

I will give a few figures from our own experience which seem quite satisfactory. Last winter we had fifty hens and pullets, many of latter quite late hatched. From December 1st to June 30th, we sold 327½ dozen of eggs for $41.82. Besides no account was taken of eggs used for table use in the family or for sitting. The price received was also unusually low, the highest being only 22 cents, while some were sold as low as 11 cents per dozen. The hens were Plymouth Rocks, which I consider the best breed adapted to northern winters, and possess more good qualities than any other breed. They are good winter layers, make good sitters, mature early and are of fair size for market.

There are few farmers but who could, with a little additional effort, keep double the number of fowls. The expense of a new poultry house would be the only cash outlay, and the returns of a single winter would more than pay this. Besides the labor of caring for 100 fowls would be little more than tending half that number. It requires no great skill to make a clear profit of $1.50 on each hen, and with a flock of 100 means a welcome addition to the family income. The results obtained by us were only ordinary, and only what anyone can do; but they show a large margin of profit after counting the feed bill and labor of tending them. When we consider that the fowls only represented an investment of say $15.00, the revenue derived is, indeed, gratifying, and should convince anyone that there is money in poultry raising if conducted properly.—*Practical Farmer.*

THE PURITAN POULTRY SUPPLIES.

The editor of Farm-Poultry says: "We visited the Puritan Poultry Farm, in April, a year ago, reporting what we saw there in May 15, '98, F.-P., and told of the wonderfully good hatching we saw being done there, (926 chickens from a total of 1,200 eggs put into four 300-egg Prairie State incubators), but the thing that pleased us most was the strength and vigor, the ability to 'grow,' manifest in the several thousand chicks in the brooder houses. That fine growth, resulting in the marketing of thirty-six thousand pairs of broilers last year, is largely due to the Puritan Chick Food, a special preparation of their own, and which they are now prepared to put upon the market. Others can make their chicks grow if they will feed Puritan Chick Food, and follow Puritan Poultry Farms' thorough methods.

"The Puritan Poultry Farms advertise to sell broiler size chicks, and in this they 'fill a long felt want,' as we have many inquiries as to where chicks can be obtained, the cockerels being wanted for eating, and the pullets to raise for layers. A circular giving full particulars will be mailed to any address upon request sent to the Puritan Poultry Farms, Stamford, Ct." We call the attention of A. P. J.'s readers to the advertisement of poultry supplies, especially Puritan Poultry Food, on page 331, of Puritan Poultry Farms, Stamford, Conn.

FERTILITY OF EGGS.

There is no difficulty whatever in testing the fertility of eggs. The way to ascertain infertile eggs at as early a period as possible is to take them into a room moderately dark, and hold them between the eye and a candle or lamp. The eggs under a setting hen should be examined at least as early as the eighth day after she commences incubation. If the egg be fertile, it will appear opaque, or dark all over, except perhaps a small portion towards the top; but if it be unimpregnated, it will be still transparent, the light passing through it, almost as if new laid. After some experience the eggs can be distinguished at an earlier period, and a practical hand can tell the infertile egg even at the fourth day.—A. V. Meersch in W. G. & P. J.

POULTRY JUDGES' ENGAGEMENTS FOR SEASON OF 1899-1900.

For the information of the exhibiters of the country and A. P. J. readers we give the following list of judges' dates. We will be glad to add other names to this list and request judges to send their dates as soon as decided upon;

W. S. Russell, Ottumwa, Ia.:
Nov. 28-Dec. 2, 1899—Hamilton, Ohio.
Dec. 4-9, 1899—Macon, Mo.
Dec. 11-16, 1899—Bloomington, Ill.
Dec. 18-23, 1899—Belding, Mich.
Dec. 25-28, 1899—Marshalltown, Ia.
Dec. 27-31, 1899—Keota, Ia.
Jan. 2-6, 1900—Wichita, Kan.
Jan. 8-13, 1900—Quincy, Ill.
Jan. 15-20, 1900—Lincoln, Neb.
Jan. 22-27, 1900—Chicago, Ill.

B. N. Pierce, Indianapolis, Ind.:
Dec. 4-9, 1899—Roachdale, Ind.
Dec. 9-16, 1899—Indianapolis, Ind.
Dec. 18-23, 1899—Memphis, Tenn.
Dec. 25-28, 1899—Elgin, Ill.
Dec. 26-30, 1899—Danville, Ill.
Jan. 3-7, 1900—Joliet, Ill.
Jan. 8-13, 1900—New Albany, Ind.
Jan. 16-20, 1900—Cincinnati, O.
Jan. 17-24, 1900—Kokomo, Ind.
Jan. 22-27, 1900—Chicago, Ill.

D. T. Heimlich, Jacksonville, Ill.:
Sept. 5-8, 1899—Rockford, Ill.
Dec. 11-16, 1899—Jacksonville, Ill.
Dec. 18-23, 1899—Wenona, Ill.
Dec. 26-29, 1899—Aurora, Ill.
Jan. 2-7, 1900—Winona, Minn.
Jan. 8-14, 1900—New Albany, Ind.
Jan. 15-21, 1900—Pueblo, Colo.
Jan. 30-Feb. 2, 1900—Carlinville, Ill.

I. K. Felch, Natick, Mass.:
Sept. 12-14, 1899—Rochester, N. H., cattle.
Sept. 19-20, 1899—Palmer, Mass., poultry and cattle.
Sept. 27-28, 1899—Brattleboro, Vt.
Nov. 31-Dec. 2, 1899—Fitchburg, Mass.
Dec. 12-16, 1899—Crestline, O.
Dec. 18-22, 1899—Jackson, Mich.
Dec. 26-31, 1899—Waupaca, Wis.
Jan. 8-12, 1900—Waco, Tex.
Jan. 17-20, 1900—Kansas City, Mo.

F. H. Shellabarger, West Liberty, Ia.:
FAIRS.
Aug. 14-18, 1899—Macomb, Ill.
Aug. 23-24, 1899—Sac City, Ia.
Aug. 28, 1899—Lyons, Ia.
Aug. 30, 1899—Mt. Carroll, Ill.
Sept. 13, 1899—Sandwich, Ill.
WINTER SHOWS.
Nov. 1-4, 1899—Charles City, Ia.
Nov. 28-Dec. 2, 1899—Hebron, Neb.
Dec. 13-15, 1899—Jefferson, Ia.
Dec. 18-23, 1899—Iowa Falls, Ia.
Dec. 27-30, 1899—Galena, Ill.
Jan. 2-6, 1900—Le Mars, Ia.
Jan. 8-13, 1900—Topeka, Kan.
Jan. 23-26, 1900—Iowa City, Ia.
Jan. 29-Feb. 2, 1900—Henry, Ill.

Jas. A. Tucker, Concord, Mich.:
Dec. 11-14, 1899—Battle Creek, Mich.
Dec. 14-15, 1899—Owosso, Mich.
Dec. 19-23, 1899—Wayne, Mich.
Dec. 26-29, 1899—Kalamazoo, Mich.
Jan. 2-6, 1900—Lebanon, Ind.
Jan. 8-12, 1900—Detroit, Mich.
Jan. 15-19, 1900—Cedar Rapids, Ia.
Jan. 24-27, 1900—Fremont, Ohio.

D. J. Lambert, Apponaug, R. I.:
Dec. 5-8, 1899—So. Framington, Mass.
Dec. 12-14, 1899—Milford, Mass.
Dec. 22-25, 1899.—Seymour, Conn.
Dec. 28, 1899-Jan. 1, 1900—Canton, O.
Jan. 10-12, 1900—Charlotte, N. C.
Jan. 15-20, 1900—Cedar Rapids, Ia.

Chas. McClave, New London, Ohio:
Nov. 27-Dec. 1, 1899—North East, Pa.
Dec. 11-15, 1899—Sycamore, Ohio.
Dec. 19-22, 1899—Meadville, Pa.
Dec. 22-25, 1899—Geneva, Ohio.
Dec. 26-30, 1899—Wooster, Ohio.
Jan. 1-5, 1900—Painesville, Ohio.
Jan. 5-9, 1900—Erie, Pa.
Jan. 9-12, 1900—Freeport, Ill.
Jan. 12-15, 1900—Dayton, Ohio.
Jan. 15-19, 1900—Columbia City, Ind.
Jan. 21-27, 1900—Louisville, Ky.

SHOW DATES FOR 1899—1900.

The following information regarding the coming shows is kindly furnished us by the secretaries of the associations. We will consider it a favor to A. P. J. readers and ourselves to receive from secretaries the dates of shows not already included in this list.

1899.

Sept 12—15.—Washington Co. (N. Y.) Fair. S. B. Ambler, sec'y.

Nov. 22—25.—Ray Co. (Mo.) Poultry and Pet Stock Ass'n, Richmond, Mo. C. H. Rhodes, judge; Jas. M. Deacy, sec'y.

Nov. 29—Dec. 2. — Thoyer Co. (Neb.) Poultry Club, Hebron, Neb. F. H. Shellabarger, judge; D. J. Richards, sec'y.

Dec. 4-8.—Elmira Poultry Ass'n, Elmira, N. Y. F. B. Zimmer, Geo. H. Burgott, judges; Judd H. Johnson, sec'y.

Dec. 4-8—North Missouri Poultry and Pet Stock Ass'n., Macon, Mo. W. S. Russell, judge; E. M. Durham, sec'y.

Dec. 5-8—Rhode Island Poultry Ass'n, Westerly, R. I. C. S. Flanders, H. S. Ball, judges; H. S. Babcock, 74 Weybosset st., Providence, R. I., sec'y.

Dec. 11-15—Chautauqua Co. Poultry and Pigeon Ass'n, Fredonia, N. Y. J. Y. Bicknell, Theo. Johnson, judges; H. D. Kirkover, Jr., supt.; P. R. Bartram, sec'y.

Dec. 12-15—Cerro Gordo Poultry and Pet Stock Ass'n, Mason City, Ia. Geo. D. Holden, judge; Jno. D. Reeler, sec'y.

Dec. 12-14—Milford Poultry Ass'n, Milford, Mass. H. S. Ball, H. B. May, D. J. Lambert, judges; W. H. Pyne, sec'y.

Dec. 13-16—West Chester Poultry and Pigeon Ass'n, West Chester, Pa. Sharp Butterfield, judge; Edw. S. Hickman, Cheyney, Pa., sec'y.

Dec. 18—23.—Iowa Falls Poultry Ass'n, Iowa Falls, Ia. F. H. Shellabarger and Thos. F. Rigg, judges; Walter Cutting, sec'y.

Dec. 18—23.—Arkansas State Poultry and Pet Stock Ass'n, Fort Smith, Ark. H. A. Bridge, judge; H. B. Mizell, Pine Bluff, Ark., sec'y.

Dec. 19-22.—Central Eastern Illinois Poultry Ass'n, Paxton, Ill. I. N. Barker, judge; E. B. Pitney, sec'y.

Dec. 25—31.—Wisconsin Poultry Ass'n, Waupaca, Wis. I. K. Felch, judge; W. H. Laabs, sec'y.

Dec. 26-30—Butler Co. (Kas.) Fancy Poultry and Pet Stock Ass'n, El Dorado, Kas. J. C. Snyder, judge; C. H. Patterson, sec'y and treas.

Dec. 27—30.—Galena Poultry Ass'n, Galena, Ill. F. H. Shellabarger, judge; F. J. Hoelting, sec'y.

1900.

CHANGE OF DATE.

The Chicago show will be held the last week in January, 1900. The change is wisely made, as conflict with other important shows is thus obviated. The date now named is one convenient to those exhibiters who wish to take in a circuit.

Jan. 1-6—St. Louis Fanciers' Ass'n, St. Louis, Mo. Sharp Butterfield, H. A. Bridges, poultry judges; F. W. Gilbert, Geo. Ewarld, pigeon judge; John A. Francisco, 1201 Lincoln Trust Bldg., sec'y.

Jan. 2—6.—Plymouth Co. (Iowa) Poultry Ass'n, Le Mars, Ia. F. H. Shellabarger, judge; G. A. C. Clarke, sec'y.

Jan. 2-7.—Winona Inter State Poultry Association, Winona, Minn. D. T. Heimlich, judge; Henry Hess, sec'y.

Jan. 5—9.—Toledo Fanciers' Ass'n, Toledo, O. Sharp Butterfield, Geo. Ewald, judges; Geo. F. Mueller, 425 Tecumseh st., sec'y.

Jan. 5—11. Flower City Poultry and Pigeon Ass'n, Rochester, N. Y. John Drechsler, sec'y.

Jan. 8-12.—Michigan State Poultry and Pigeon Association, Detroit, Mich. Sharp Butterfield, H. A. Bridge, Jas. A. Tucker, judges; John A. Grover, sec'y.

Jan. 8—13.—Kansas State Poultry Ass'n, Topeka, Kans. F. H. Shellabarger, judge; J. W. F. Hughes, sec'y.

Jan. 15-19.—Northern Illinois Poultry Association, Belvidere, Ill. F. B. Zimmer, Ben S. Meyers, judges; Bert R. Lucas, sec'y.

Jan. 15—20.—Western Poultry Fanciers' Ass'n, Cedar Rapids, Ia. D. J. Lambert, J. A. Tucker, G. D. Holden, judges; Chas. H. Playter, sec'y.

Jan. 17-22.—Boston Poultry Association, Boston, Mass. Arthur R. Sharp, sec'y.

Jan 22-27—National Fanciers' Ass'n. of Chicago, Chicago, Ill. Fred L. Kimmey, Morgan Park, Ill., sec'y.

When you notice one of your chicks infected with gape, if you will make a pill of gum camphor about the size of a small pea and force the patient to swallow it, immediate relief will result, as the gape worm cannot stand the fumes of camphor.—*Fancy Fowls.*

The chicken business is a matter of wonderful importance to the table comfort and financial outlook of the American farmer. Government statistics show that despite the immense production of eggs, several million dollars worth are annually imported to meet the deficiency of the home supply.—*Maine Farmer.*

You Can

set hens all summer and have them do well if you give them good care, and frequent dustings with Lambert's Death to Lice. You can use it freely without injury to anything but vermin.

You Can

rear late chickens at a good profit, providing you can keep them free from head lice. You can see these little blood suckers by looking closely on the top of a chickens head. Do not wait until the broods begin to droop and die. You can have a box of Death to Lice Ointment sent you by mail for 10c that will make 100 chickens happy.

You Can

keep the roosting room free from mites or spider lice with Lambert's Death to Lice Special. You can have these remedies on hand, in case you need them, without loss from evaporation. You can have your money back if they do not prove satisfactory or as I say.

You Can

get an agency for these goods, if no one else has it already in your town. You can have all the advertising matter that you can use to advantage. You can return any unsold goods at any time. You can have a samole of either Powder, Ointment or Special sent you by mail for 10c. All three for 25c. You can remit in postage stamps, (1c preferred). You can have a copy of pocket Book Pointers for 1899, free for the asking. You can feel assured that when you send me an order I will endeavor to serve you well.

D. J. LAMBERT,

Box 308. Apponaug, R. I.

GEO. H. PHILLIPS

Breeder of White Wyandottes

BOX 320,
Villa Ridge,
Ill.

Many cases of so-called cholera are simply a form of acute indigestion, the result of a monotonous and never varied grain diet, and a lack of grit and exercise.—*Indiana Farmer.*

One fact for the poultry breeder to bear in mind is, that not only are size, color, and shape modified by food, but disposition also. The man who thinks he can feed his flock on anything and obtain equal results, will surely make a failure. —*Maine Farmer.*

WHAT OF THE SEASON

A Report of the Past Season's Work from American Poultry Journal Advertisers.

Another Season in the Poultry Business has Closed and a Review of the Work Done Can Now be Made The Reports are a "Barometer" of the Business and A. P. J Readers Look for them each year.

Inquiries have been sent from this office to all our advertisers and every answer received will be published, not all in this issue, for there are too many. No selection of the "good reports" are made, but all are used in the order they are received whether the results are good or bad. In no other way can an honest and intelligent conclusion be drawn. We have enough evidence in the letters received to assure our readers that upon the splendid general results reported by A. P. J. advertisers can be built the positive assurance of the fact that the coming season will be a record breaker and that the poultry business in all its branches will surpass any previous season in its history.

A careful reading of the following letters will show how small a proportion are the unfavorable reports, while the favorable reports make it nearly a unanimous statement of increase of business and bright prospects for the future.

While the reports are numerous of poor hatches early in the season, owing to the cold and backward spring, they appear to be offset by the rapid growth of the warmer months.

More care appears to have been given to matings, for the young stock shows promise of thoroughbred show room qualities.

A. P. J. is an expansionist—does not believe the possibilities of the poultry business have yet been realized. Look over these letters to observe how many breeders sold all the stock and eggs they could spare, only leaving enough for their own use; how many say much more could have been sold; orders refused owing to inability to fill them. It can only mean that breeders are limiting their own business by not preparing for a greater season's business.

Plan ahead for doubling your business, and don't stop at that. You'll find a market good and plenty for all you can raise—right.

WHAT OF THE SEASON?

That is the question that comes to us; has it been profitable, has it been successful, what are your prospects? These are questions of importance to the fraternity, one that our poultry journals take great interest in, questions that interest all of us. If we have made mistakes, they want to know it in order to warn others; if we are successful, they want to know it. In the very nature of things we are a great brotherhood banded together by the one tie of common interest or mutual benefit. The success of one benefits all by stimulating us to greater things. To those of us who are but struggling up the rough and rugged road under adverse circumstances may hap, it strengthens our determination to win a place higher up. So, too, if one falls by the wayside it affects us inasmuch that it discourages many from buying that long talked of pen of fine chickens. As a rule I don't think that the majority of us envy the success of our brother fanciers. We just resolve to work a little harder, cull closer and be more watchful in the future.

E. M. DURHAM.

La Plata, Mo.

Egg Trade Not So Good. Best Lot of April and May He Ever Raised.

La Plata, Mo., June 17, 1899.

Editor American Poultry Journal.

DEAR SIR:—I am asked what of the season with you. The egg trade has not been so good as in former years and I have missed some sales that I felt was really my due, knowing that I was better prepared to fill orders satisfactorily than ever before. It may have been for the best in the long run as I was able to take of the very best for my own use at the right time, and supply the demand for good breeding stock at a time when prices were best, and as I look over my flock I hardly regret the shortage in the egg order book. Eggs have hatched well with me this season both under hens and in incubator. I should have been very short on chicks had I depended on hens. I did not have a broody hen until late in May in my home yards. Reports from customers with one exception were most gratifying, two reporting fourteen chicks, one in Texas and one in Ohio. My young stock has done well, notwithstanding the extreme cold and wet season, the death rate being confined to a few accidents and the loss of perhaps thirty or forty by rats. I am very proud of my flock of chicks. I don't claim to have "the best White Rocks in the world," but I hope to run up against some of them in the show room this winter.

Inquiries are coming in now for show birds, being generally "what are you going to have in the way of high scoring birds for show purposes?" Well, I can say I have the best lot of April and May chicks I ever raised, and am anticipating a fair trade. I like to raise prize winners and I like to sell birds that will win for others. And so on the whole will say I am very well satisfied with the season's work and the prospects look bright for the fall and winter campaign.

With best wishes for the American Poultry Journal and the fraternity at large, I am yours truly,

E. M. DURHAM.

Lake Forest, Ill., June 15, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to yours of the 12th, would say that the inclosed postal is a report of a hatch of Rose Comb Brown Leghorn eggs sold through my ad in A. P. J. this spring. Only one egg not fertile in fifteen. Next year I shall undoubtedly have an ad in A. P. J. again, and I trust those who are thinking of raising some of that excellent breed, will remember that my stock is good, hardy and knows how to lay eggs the year round. Yours truly,

C. E. DURAND.

The following is the report sent by Mr. Durand:

Adrian, Mich., May 18, 1899.

C. E. Durand.

DEAR SIR:—My hen came off this morning with 11 smart chicks; 1 egg she broke first day of setting, 2 chicks she must have stepped on as they were dead in the nest; 1 chick died in shell and 1 egg was no good. This I consider fair luck as there were frequently heavy thunder storms during hatching, besides the old hens has had a four weeks' siege of it, being quite exhausted.

Yours truly,

G. M. Vaughan.

Entirely Satisfactory.

Groton, N. Y., June 21, 1899.

Editor American Poultry Journal.

DEAR SIR:—Replying to your recent favor, I beg to report that my poultry business for the past year has been entirely satisfactory in all branches, the only trouble being in inability to supply all my demand. Very truly yours,

C. H. WYCKOFF.

More Than Double This Season.

Manson, Iowa, June 21, 1899.

Editor American Poultry Journal.

DEAR SIR:—In answer to your request for results of the past season in comparison with other past seasons, I find that my trade has been more than double that of any preceding year. The fact that my ad is still in American Poultry Journal is proof positive that I am satisfied with the returns it brings. Through its influence I find a market for all my most valuable fowls.

As to resources, I have several hundred chicks that are thriving finely, but mostly late hatched. I expect them to be ready for the January trade.

Very truly,

U. GRANT DAVIDSON.

A Good Season.

Hooker, Ohio, June 1, 1899.

Editor American Poultry Journal.

DEAR SIR:—This has been a good season for me, having sold all the stock and eggs I could spare of Single Comb Brown Leghorns and White Plymouth Rocks. The demand for white turkeys has been the best I ever saw. Could have sold as many again. I believe people are beginning to realize their value over the Bronze for quick maturing and quiet habits. Thanks to A. P. J.

Yours truly,

W. A. BOOKMAN.

High Per Cent of Hatches.

Chalfont, Pa., June 21, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your letter at hand and contents noted. You ask me for a report of my season's work. In reply I will say that I have had right good luck. As to the sale of eggs for hatching I have had none. I had many letters concerning them, but made no sale. I have had

lots of letters asking for price of Pekin Ducks and have booked several orders for fall shipment, which I owe to your paper. Our hen eggs hatch about 99 per cent. and duck eggs about 75 per cent. I must say that I have had duck eggs to hatch better, but I was short of drakes and only had one drake to ten ducks. This year I intend to buy drakes of some noted strain and hope to supply my friends and the public with good stock next year. I also intend to buy some B. P. R. cockerels this fall. I must say that I think no one could ask eggs to hatch better than ours did this year. We have lost about 25 per cent. of chickens from being hurt by hens and taken by crows, but none from disease. I thought that I had them all penned in, but they found holes and crept out and were picked up by the crows.

Hoping to have a good number of stock to sell this fall and to please purchasers, I remain, Yours truly,

EDWIN W. FLY.

Egg Trade Equals Last Season.

Neponset, Ill., June 21, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to yours of recent date would say:

Egg trade fully up to last season. In the early part of season eggs did not hatch well and to those who got a poor hatch I gave them another setting, making it satisfactory to all. Later hatches were good. Have between four and five hundred young B. P. Rocks, which promise fine. Will be well prepared to give my customers some fine stock this fall. Wishing you success, I am yours truly,

H. TIBBETTS.

Egg Trade Good.

Wray, Colo., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—We have had a good trade in eggs, being obliged to turn away some orders and having filled enough to cut our own hatches short. Have about 150 strong, healthy chicks, which give promise of fine birds; also a few early hatched cockerels for sale.

GEO. OWEN.

Could Have Sold More.

Toledo, Ohio., June 21, 1899.

Editor American Poultry Journal.

DEAR SIR:—I disposed of all surplus stock early in the season at attractive prices and could have made more sales if I had had the stock to spare. I have some promising young fowls coming on and expect to be able to fill all orders in the future. Egg trade has been very bad; in fact, the worst I have ever had. Eggs have been hatching poorly about here.

J. T. FRENCH.

838 Urbana St., Cleveland, O.

Very Satisfactory Season.

Prospect, Ohio, June 19, 1899.

DEAR SIR:—Yours to hand and note what you say. I will say that this season has been very satisfactory indeed. I mated up more birds than any previous season and was behind hand with the egg trade the greater part of the time, and returned several orders. I had all the egg trade I cared about. Our matings were very fine as we were very successful last season in raising a large per cent. of birds that were of a very high order, so that when we came to mate this spring we had the right kind of timber to put in our pens. Eggs as a whole hatched good. Some matings were not as fertile as we would like, while the majority of our matings run about 90 per cent. of fertile eggs. We expect to be able to take care of our trade in good shape the coming season, as we set 3,000 eggs and have many promising youngsters.

We recently shipped a very valuable consignment of Golden Wyandottes to Australia, and just shipped our 1st Prize Breeding yard at New York, to a customer in Massachusetts. Something unnatural—this season we are getting orders for stock right along, up to date.

Very truly,

IRA C. KELLER.

BUFF LACED POLISH.
Bred and Owned by S. G. Allured, Ionia, Mich.

Better Than Usual.

Villa Ridge, Ill., June 17, 1899.

Editor American Poultry Journal.

DEAR SIR:—Business has been better than usual with me this season. Eggs have hatched unusually well. This is the first season that I have received no complaints of poor hatches and is the first season that I ever received testimonials from egg customers.

Yours very truly,

GEO. H. PHILLIPS.

Egg Sales Light—Stock Sales Very Favorable.

Columbus City, Iowa, June 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to yours of the 16th inst., I would say that the poultry business with me the past year has been very favorable, excepting egg sales, which have been lighter than last. Hatches at home have been away above the average, in many instances within one and sometimes every egg hatching. Those sent to customers hatched better in May than earlier, but no hatches reported up to my average for some unaccountable reason. I have duplicated several orders free. No one can possibly pack them better for shipment than I do and I cannot see why they do not hatch as well away from home. I have some 200 chicks doing well and hope to have quite a few R. I. Reds and R. C. Buff Leghorns, of which I have had a wonderful call for, but none for sale yet.

Very respectfully,

L. B. HANNA.

Very Good Business This Season.

Wenona, Ill., June 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to yours of the 14th: I have enjoyed a very good business so far this season. My ad in the A. P. J. has sold ¾ of what I have sold, and brings hundreds of inquiries, and you can count on me being one of your advertisers as long as I am in the poultry business. I will be better prepared for next year's business as I have a fine lot of young birds this season. Wishing you success, I remain, yours truly,

U. G. MCADAM.

Death to Lice Sales Increased—Hatches Late, but Chicks Growing Well.

Apponaug, R. I., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR.—Yours of June 12th at hand. In reply I will say that trade during the hatching season has been very satisfactory with me. I have had a larger force of help in my Death to Lice factory in order to fill orders promptly; with the exception of a few days in May we have been able to do this this spring. People will usually wait until they need to use a thing before they will order, and in the case of an exterminator for lice they want it double quick.

Ten years ago I had but little, if any, competition in this line of business (lice killing), but since then remedies have sprung up on every hand. I can say, however, that the demand for my goods has steadily increased from year to year, and if any of these new remedies have merit they will sell. There are lice enough

yet in this broad land of ours for all the powders, paints and fumigators to have their share. It is well to remember that in extolling the merits of a new article not to use any space to advertise things detrimental to your competitors. If you do you may be taking more space than for which you can pay.

Referring to my poultry business: The spring was late this year, and with the event came egg orders. Early hatches were of a smaller percentage than usual, on account of the breeders being confined during the severe weather. The crop of chickens in this vicinity would I think show a decided shortage below last season. In my own case I have not as many early ones out, I keep on hatching until we get the desired number even though we set hens into July. By placing these late hatched broods in secluded places about the farm, away from the larger chicks, they grow as well as those hatched in the month of April, May or June.

Late hatched chickens are invariably the best colored, and if they have a chance as mentioned above they will come up in size and shape to correspond with the early ones. Where late broods do not do well there is often something wrong in methods and poultrymen of experience will find this out and correct the error and rear a few good ones after the trade for sittings is practically over. Yours truly,

D. J. LAMBERT,

Stock Trade Very Good—Egg Trade Not Up To Average.

Galena, Ill., June 21, 1899.

Editor American Poultry Journal.

DEAR SIR:—Yours of recent date inquiring about trade the past season received. I can say trade in stock has been very good. I disposed of all the surplus stock I had in good season, but egg trade with me was poor, considering what I had other years. Eggs generally hatched 90 per cent. of the fertile ones, and with me were about 75 per cent. fertile in March and April and 90 per cent. in May.

Very respectfully yours,

F. J. HOELTING.

Far In Excess.

Lexington, Ky., June 21, 1899.

Editor American Poultry Journal.

DEAR SIR:—Trade on both eggs and stock during the past season has been very far in excess of my expectations—am even now behind on egg orders. In regard to egg hatching, will say that I have been fortunate in getting good hatches so I got a good start with my chickens and hope to have some to please the boys with—at least it will please them if they beat them. In the hands of my customers I have also had good reports, with the exceptions of course, we all get hold of some of that kind of customers who expect the earth, but I must say to the credit of the American Poultry Journal, it brings me a nice class of customers for my Buff Wyandottes. I want to give it credit for its share in my season's success. I am very truly yours,

M. F. NORRIS.

All Surplus Stock Sold.

Table Grove, Ill., June 20, 1899,

Editor American Poultry Journal.

DEAR SIR:—My business has not been large this season, yet as good as I could expect under the circumstances. Just commencing after a two years' interval, my outfit was small; I did not desire to sell many eggs. I think that the most disagreeable part of the whole business, and I wanted to use them myself. Sold everything I had to sell in the way of stock, and have no complaints to make. The Journal did me fair and would not think of doing without it. I have as fine a lot of young stock as ever grew, and expect to be heard from in the show room this coming winter.

Cordially yours,

JOHN HUGHES.

Stock and Egg Sales Greater than Expected.

Westville, Ind., June 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—From the one inch "ad" I have carried in your journal I have had sales of both stock and eggs much greater than I anticipated, for I have sold everything but my breeding pens and have had to refuse orders for stock. It has been same thing in egg orders, and in endeavoring to fill orders I have been placed on short allowance for eggs for my own use. I have a fine lot of White Wyandottes coming on for next season's supply and am endeavoring to get stock from best breeders in the country to give new vigor and strength to my stock. I am so well satisfied with past results that I shall increase my space at expiration of this contract. I have had but one complaint from a customer this season.

G. M. FLEGEL,

Breeder of High-Class White Wyandottes.

A Good Average Season.

Ohio, Ill., June 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your favor to hand. In reply will say, take it all through, this has been a very good year with me. Trade in stock was good and could not supply all of my egg trade. I have 250 chicks ranging from just hatched up to 4 pounds in weight, and I feel that I have birds that will be in the swim at the fall fairs and winter shows. Lost one batch of 100 chicks by using a poor brooder. Have one hot water brooder that is O. K.; one hot air that is not worth the room it takes up, let alone the bother and oil. Yours truly,

W. N. SMITH.

Mr. Heck Recognizes No "Dull Season."

New Albany, Ind., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—Business with me has been exceedingly good during the season just closed and I am glad to inform you that the A. P. J. has done its part toward bringing about this condition. Of late years there seems to have been an elimination of seasons or rather a lack of dull periods in the White Plymouth Rock trade. All during the egg season I have had an unusual demand for breeding stock and at this time when trade could reasonably be expected to be slow, the demand for early hatched chicks is so great that it bids fair to assume large proportions during the summer months. This brings the seasons so close together that there is practically no dull periods. I am still getting orders for eggs at my regular price of $3 per sitting. I make no reduction in price for the reason that the eggs are worth the amount for my own use. My breeding stock has been kept in the pink of condition and the young stock which I am now shipping shows vigor and strong constitution as well as a remarkable degree of exhibition excellence. I will be able to supply an almost unlimited demand for extra fine specimens and am in position to furnish the best at fair prices. Respectfully,

FRANK HECK.

Sold All Stock and Eggs to Spare—In General, Poultry and Egg Business Not so Good as Last Year.

New York City, June 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—Sold all the stock we had to sell, unable to fill demand for eggs, young stock doing fine; in this section of the world eggs have hatched poorly. The trouble extended to the barn yard, as well as to the thoroughbred fowl; this diminished the quantity of our early product to a considerable extent, but so far the quality was never so promising.

In a general way the poultry and egg business has not been so good in this section as last year, special ones have done better than formerly, but as a whole the sales of 1899 in this part of the country will not equal last season; we think this can be attributed somewhat to the late season, but largely to the fact that those who usually buy a few for pleasure have deprived themselves the pleasure for want of what we call money for pleasure. Respectfully,

T. F. MCGREW.

Egg Trade Fair—Stock Hatched Early.

Friend, Neb., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—Egg trade was just fair. Sold more White Rock and Black Langshan eggs than of the other two breeds. I got out a number of early Black Langshan and White Rock chicks for the state fair. Now the "powers that be" say there will be no state fair in Nebraska this year, so I can sell these early fellows to some one. I find your paper a good advertising medium. Truly yours,

W. O. SOUTHWICK.

Could Not Supply Demand for Eggs.

Lanark, Ill., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—In answer to yours of the 17th regarding trade, my egg trade has been good; could not supply the demand. I have 150 young Cornish Indians that are looking fine and the early birds are showing fine penciling and expect to give the boys a chance to beat them at the fall fairs and early shows. The outlook is good for a fine trade this fall. Wishing your valuable journal success, I am respectfully yours,

H. S. MARKS.

A Healthy Growth in Egg Sales—Season a Highly Successful One.

Hardinsburg, Ind., June 16, 1899.

Editor American Poultry Journal.

DEAR SIR:—As the poultry season for spring 1899 has closed, a report from your various advertisers is in order.

The past season has been my most successful one. Egg sales not so much greater than last season, but enough to indicate a healthy growth. My April and May hatches were very satisfactory. Growing stock is developing as well as I could wish; color and size a great improvement over last year, especially in Buff Rocks. I cannot hope to duplicate my last season's winnings on Buffs, for I won everything in sight—first cock, hen, cockerel, pullet and pen and a majority of all specials and minor prizes at the exhibition of the Indiana members of American Buff Rock Club. While my stock is greatly improved, others doubt-

less have done the same. Beside from my ads in A. P. J. and Fanciers' Gazette, I have sent eggs to several different states, and in many counties of Indiana, chicks from which, I've no doubt, will meet me in some of the shows and be just as good as those I've raised in my own yards. My trade for both Langshans and Rocks has been a healthy one, and I've no kick a-comin'. I shall patronize the A. P. J. twelve months in a year from now on. I am satisfied with the returns from same. I am fully satisfied that while our stock may be A1 in every respect, if we don't tell the fraternity through the poultry press our sales are no good. My specialty is Buff P. Rocks, having bred them 5 years. I am satisfied there are none better. Truly,

S. E. McINTOSH.

An Encouraging Season—Sold Every Chick to Spare.

Springfield, O., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to yours of recent date will say I sold every chick I could possibly spare by the first of March and had to refuse many a good order. Have about 150 youngsters now, the healthiest and most promising flock I ever owned. This has certainly been an encouraging season. With best wishes, I am most truly yours,

CLARENCE HENDERSON.

No Kick Coming—Best Business He Ever Had.

Frankfort, Ind., June 18, 1899.

Editor American Poultry Journal.

DEAR SIR:—I certainly have no kick coming on account of my poultry business, for it is best I ever had. Sold all surplus stock and could have sold more at good prices. Stock gave good satisfaction, with two exceptions. I try to have my ad state just what I have; find this pays in the long run. Egg trade good and my young ones have all appearances of "White Plymouth Rocks that win." R. M. GARD.

Hatches Unusually Large, but a Little Late—Chicks Very Fine.

Waukesha, Wis., June 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—You ask me for results. On account of the late spring I have not as many early chicks as I would like, but what I have are very fine, showing beautiful clear buff wings and heavy fluff already. My hatches have been unusually large. I have not been a heavy advertiser because I have been getting my Buffs up to compete with the older breeders. It has been my aim to produce the best Buff Cochins in the west and if 95 point mothers (scored by Sharp Butterfield), mated with cocks equally as good, will bring good chicks I am going to have them this year. I have tried a good many varieties of chickens, but to my mind there is nothing to compare with the fine old Buff Cochin. You will see me in Chicago next winter at the show. Yours truly,

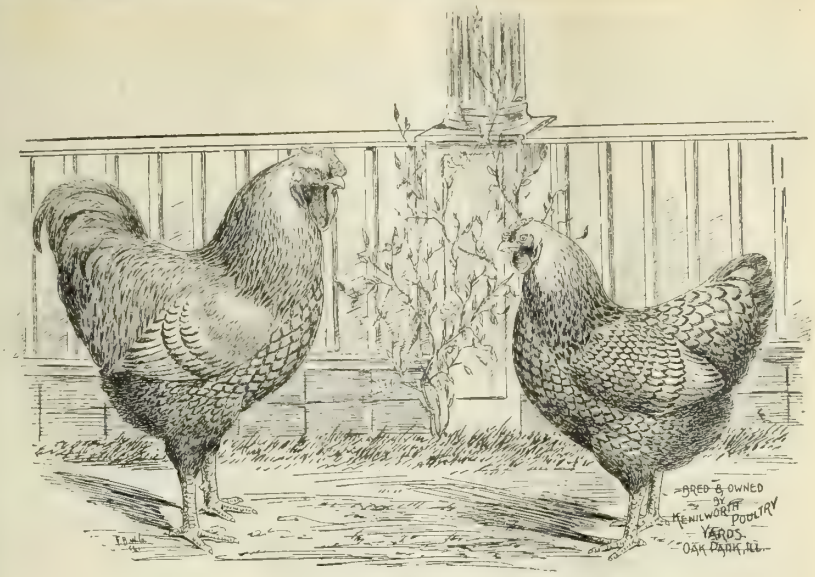
W. H. HAYDEN.

Far Beyond Expectations.

Lansing, Mich., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—The breeding season now being over, and everything cleaned up and put away for another season, we take much pleasure in looking over our young and growing stock. Our business for the past season has been far beyond our expectations. Everything we had to sell is gone, and at prices that have been satisfactory to both buyer and seller,



PAIR SILVER WYANDOTTES.
Bred and Owned by Kenilworth Poultry Yards, Oak Park, Ill.

and it is through the large circulation of the A. P. J. that we owe our good business. Thus I see it illustrated that if you have anything good to sell, let the people know it, and the A. P. J. can do that to the queen's taste.

Yes, this has been a very prosperous season, and with the returning of prosperity to our country I look for a splendid business in the future; so now, Brother Poultrymen, keep your young stock growing right along, so that next season we can all give our customers two dollars for every one we receive in value. Always give them something better than they expect. Yours truly,

FRED KEITH & SON.

Better Than Last Year.

Catawba Island, O., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to yours of June 13th, my trade has been better this year than last; sold out my surplus stock early; also have had good egg trade. Business has been very satisfactory; have had no complaints. The old B. P. Rock is still on top as a good general purpose fowl. I have the most promising lot of youngsters I ever saw or owned. The old A. P. J. brings the trade from East, West, North and South. Long may it live and prosper. Respectfully,

E. F. PEIRCE.

Demand for Stock and Eggs Exceeded Supply—Customers Well Satisfied.

Saline, Mich., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—Replying to yours of June 15th, would say that this has been one of the most satisfactory seasons in the history of our business. The demand for both birds and eggs has exceeded our ability to supply them, and our customers as a rule have been well satisfied, all of which naturally makes us feel good. I attribute the great increase in our business to two causes; one, the increasing demand for pure bred poultry all over the country, the other, more liberal use of printer's ink. It would be useless for us to try to do business without advertising, though, of course, the advertiser must back up his statements with good goods and square dealing, which in the end always proves a good advertisement in itself. Among the numerous journals we have used the past season we have found none more satisfactory than the American Poultry Journal, and shall be pleased to continue using its columns in future.

Thanking you for courtesies extended and wishing you well, I am, respectfully,

GEO. J. NISSLY.

Egg Trade Not so Good—Successful in Matings and Hatches.

Perrysville, Ind., June 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your favor of the 16th at hand. In reply will say that while the egg trade was not as good as I expected, yet I look upon the past season as being successful so far as regards matings and number of chicks hatched. So far the indications are that I will have the finest lot of young stock I have ever raised. They are showing the Standard Blue color to a high degree. Thanking you for the interest you have taken in my welfare, I remain, Yours truly,

E. G. MCCORMACK.

Best Season in His Experience.

Gouverneur, N. Y., June 18, 1899.

Editor American Poultry Journal.

DEAR SIR:—The season just closing has been the very best in all my experience as a breeder, and although I have sold as many settings of eggs in former years, the fact that this is my first year as a breeder of the Standard variety of "Black Minorcas Exclusively," to have shipped nearly double the number of settings of Minorca eggs of any previous year, is to me ample proof that the specialty breeder makes no mistake in breeding but one variety. Egg orders did not commence to come in as early as usual, but with the advent of warm weather my trade has been all that I could attend to, and two more yards of Minorcas than I ever kept before. With a very few exceptions, the report of fertility has been above that of former years, and some have reported 15 chicks from a single setting, while 8 to 12 chicks have been the usual results. Some have reported a very poor hatch, while two have had a total failure. In such cases I have gladly sent more eggs free, as it is the main part of the business to have no dis-

satisfied customers. Eggs have hatched well with me, and I have more chicks than I ever raised before. I expect to try for a good many blue ribbons, and chicks are looking fine. The call for good breeding stock is phenomenal, which shows Minorcas to be in good demand, and they are worthy of all claimed for them; everything looks encouraging. My ad in the A. P. J. has paid me a grand profit. Truly yours,

J. H. DOANE.

Most Successful Season for Six Years.

Marshall, Mich., June 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—In response to your inquiry will say that this year has been the most successful since I entered poultrydom six years ago. My output of eggs and stock has been almost as great as for the five preceding years, due in no small measure to the intelligent class of readers reached by the A. P. J. As you know, I am breeding Buff Rocks exclusively, and never had them doing as well at this time of the year, and when the gallant 400 charge on the feed troughs it's a sight worth going a long way to see. I have made many choice matings from which the coloring is simply beautiful, and the chicks very large and well formed.

Have adopted the colony plan of raising them, and feed only dry whole grain from day of hatch till maturity and next to keeping birds free from lice and giving plenty of fresh water, it's a winner. Yours respectfully,

I. W. HOUSTON.

All Stock Sold—Egg Trade Much Larger—Patrons Well Satisfied.

Manson, Iowa, June 17, 1899.

Editor American Poultry Journal.

DEAR SIR:—The poultry business with me has been quite successful. I closed out all stock at good prices, and my patrons were well satisfied in every instance. I have had but little complaint about eggs not hatching, less than ever before, while my egg trade has been much larger. I have lately completed a new house sixteen by forty-eight, which will give me plenty of room for the flock of fine youngsters I have at present. One of my most successful moves this year was my advertisement in the A. P. J., which has done considerable to increase my sales. I hope to be able to make some of the poultry fraternity hustle at the shows the coming winter, as my young stock is very promising now, and will be hard to beat. Hoping that you, too, have enjoyed a prosperous season, I remain, Very truly yours, T. P. EBERSOLE.

Immense.

Plattsburgh, N. Y., June 18, 1899.

Editor American Poultry Journal.

DEAR SIR:—Our trade in poultry foods, especially cut clover, has been immense. Have shipped all over the United States.

CLEVELAND POULTRY CO.

Never Before So Successful a Season.

Concord, Mich., June 18, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your request at hand and enclosed find following: Never before in our experience of poultry raising have we had so successful a season as the one just passed. We have sold double the stock and eggs of previous years and in most every case have we given excellent satisfaction. We consider the American Poultry Journal a good advertising medium and shall give it its full share of praise for our success this year. We have a fine lot of chicks out, all from our Chicago prize winners, and will be prepared to give our customers excellent values the coming season. Respectfully,

GROVER & GROVER.

All Surplus Stock Sold—Egg Trade Fair.

Connersville, Ind., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—Stock sales of Single Comb Brown Leghorns have been good. Sold all my surplus stock and could have sold more had I had them. Egg trade was only fair, but it has enabled me to get out a fine lot of chicks for myself, and they are growing nicely. Prospects are that we will be in position this fall to offer better stock and more of it than ever before. Eggs have hatched remarkably well with us this season, and have had but one complaint from customers. Thanking you for the excellent service rendered by A. P. J. and wishing you a continuation of success, I am, yours very respectfully,

E. C. BRATTAIN.

All the Egg Orders He Could Take Care Of—Good Trade in Stock.

Edwardsburg, Mich., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your letter of June 16 at hand. In reply to same will say that my poultry business has been very satisfactory the past season. I have had about all the egg orders I could take care of. The late orders are still coming. I have shipped 34 settings so far this month. I had a good trade in stock last winter and early spring; have a fine lot growing and look for a good trade this fall and winter. I expect to hustle the boys as usual in the show room this winter. The A. P. J. comes in for its share in helping along the results. Yours truly,

B. F. PARSONS.

A Success, With Reasons Why.

Ypsilanti, Mich., June 17, 1899.

Editor American Poultry Journal.

DEAR SIR:—I never have written anything for publication, and do not know that I have anything to write that would interest any one. I have been in the business of raising fancy poultry for eight years, and have made a success of it, so far as raising fine birds is concerned, and financially have more than paid expenses. My pet varieties are the Barred Plymouth Rocks and S.-c Brown Leghorns, of which there are none better in the land. The past year has been a very prosperous one, having sold off my stock very closely, and have also sold a large number of eggs. The American Poultry Journal is responsible for a goodly share of my sales. I consider it one of the best, if not the very best, medium for advertising poultry in the land. I think there are no set rules for raising chickens successfully. The main thing is to keep them clean in their houses and yard and give them good wholesome food. I am raising more chickens this year than for three years past, and expect good results from present matings. The older one grows and the more experience one has in mating the better results one gets. I get a large proportion of the prizes at the state show every year. First on B. P. Rock cockerel last winter, in the largest class ever shown in Detroit. I think everyone would succeed better in getting good birds if they would be more particular about their matings. You cannot get something from nothing. You have got to get the good stock to start with or you cannot get the good birds, and good stock costs money. So if a good reliable breeder charges ten to fifteen dollars for a cockerel or a fine hen, they are cheaper in the long run than to buy a cheap bird for $1.50 to $2. I wish to impress this upon the beginner: Don't buy the cheapest stock to start with; don't buy of a man without principle, who will charge you exorbitant prices for stock not worth one cent. I write this for the reason that I had a good lot of experience in this same thing which put me back two years with my business, and I even get bit occasionally now. I can buy best stock when I go to a reliable breeder and tell them what I want, and pay their price for stock. I could write a lot on this part of the business, but forego, for fear of tiring you. Yours fraternally,

C. W. MANSFIELD.

Trade Better Than for Several Years—Great Success in Raising Chicks.

De Kalb, Ill., June 16, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your request for a report of our business for the past year at hand. We have had a very good trade in stock and eggs since November last, better than for several years, and have never had better success in raising a fine lot of chicks. We have now on hand nearly 1,000 chicks and will have as many more by the last of June. This has been an exceptionally fine season for raising them. We never had them of better color, especially the Barred Plymouth Rock. Our sons are especially interested in Bantams, Homing Pigeons and Belgian Hares. The boys have nearly 100 of as fine Belgian hares as can be found in America, all of the finest color and from best imported stock. They will show some of them at the winter exhibition. The American Poultry Journal is one of the best and has given us a good share of our trade the past season. Wishing you the greatest success possible, I remain,

Yours respectfully,

FRANK M. MUNGER.

Had More Customers Than He Could Supply.

Danville, Ill., June 15, 1899.

Editor American Poultry Journal.

DEAR SIR:—The only fault I find with my ad in your journal is that it brought me more customers than I could supply. By March 1 my surplus stock was all sold; could have sold many more birds if I could have furnished them. I am well pleased with results of my ad. Later I want your journal to tell its readers what I have in Buff Rocks.

Yours respectfully,

B. J. LUCAS.

"Yes, The Most Satisfactory of Any in My Many Years' Experience as a Breeder."

Rome, N. Y., June 16, 1899.

Editor American Poultry Journal.

DEAR SIR:—Replying to your questions, business for the year, from July, '98, to date, has been excellent with me. Buff Rocks are popular and the "Nugget" strain in demand—sold all the birds I could spare at prices satisfactory to breeder and buyer—had one hundred breeding females mated. Have sold every egg I could spare and have declined many large orders that there was small hopes of filling when wanted. Booked orders have been the rule, and have ten days' production booked for future June delivery. My "Nuggets" are extremely popular in your state

and in Indiana, while I have made shipments to every state in the Union and to every province in British America, I believe. Customers, as a rule, express satisfaction. Hatches have been good, and out of hundreds of shipments have not heard from a "real kicker." I have over 400 chicks well started, and many more just coming off. The year from July, '98 to July 1, '99, will be as satisfactory of any in my many years' experience as a breeder.

Sincerely yours,
H. S. BURDICK.

Trade Good—Eggs Hatched Well—Chicks the Very Best.

Battle Creek, Mich., June 17, 1899.

Editor American Poultry Journal.

DEAR SIR:—At the close of another poultry season I will say that a review of my work for the past year is very gratifying. Trade has been good, eggs have hatched well, and chicks are showing up the very best I have yet seen. Many of the youngsters show clear, solid buff color, a result that I have been patiently working for for years. I have made over twenty special matings this year and have kept a careful record of the same. These records are a great help to me. Other business has compelled me to give up, for a time, a large and remunerative trade, but I shall keep a few of the best and shall continue to improve them, and breed them up to the highest possible standard to the best of my ability, and intend later to make the poultry business, both the practical and fancy, an exclusive business. The Journal has been an important factor in my success. With best wishes, fraternally yours,

GEO. W. HAMM.

Largest Egg Trade Ever Experienced.

Iowa Falls, Iowa, June 17, 1899.

Editor American Poultry Journal.

DEAR SIR:—My egg trade this season was the largest I have ever experienced. Five pens of birds could not supply the demand, and, you know, it is the business of Houdans to lay "early and often" and steadily. The demand for stock has begun thus early, and am making shipments of aged birds daily. This will be a feature of the trade this year, for experienced breeders know none of the fanciers have a full supply of early birds, and, in fact, not nearly so many young birds as usual. My advertisement in the American Poultry Journal has paid handsome returns, as it has every season for years, this season the amount of business which the Journal brought being greater than ever before.

THOS. F. RIGG.

"Looks Like Prosperity, Doesn't It?"

Indianapolis, Ind., June 16, 1899.

Editor American Poultry Journal.

DEAR SIR:—Everybody wants "Trans-Atlantics." Surplus stock nearly all sold off before the first of January. Could have disposed of several hundred more birds if I had had them to spare. Egg trade a little late in opening, but between March 15 and June 1, I sold at $5 per 15 all the eggs that could be spared from eight large flocks, and then had to return over two dozen orders that I could not fill. Looks like prosperity, doesn't it? H. P. CLARKE.

Could Not Fill Half His Egg Orders.

Lincoln, Ill., June 15, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your letter of June 13 received and in regard to business will say that I could not fill half of my egg orders. I was getting more mail orders than I could fill if I had 100 females, and filled orders as good as I could to satisfy some of my customers. In regard to the fall trade, will say that I expect to sell every bird I've got to spare before Dec. 1. I have got several orders for cockerel now, and will say that the American Poultry Journal brought me more orders than all the balance of journals I had ads in. I have got 350 fine young Buff Cochins chicks and are doing fine. It is impossible to speak against your Journal, as for results it can't be beat. I remain, Very truly yours,

JOSEPH P. DEHNER.

A Good Year, Although Results from Advertising Not So Good as They Ought to Expect.

Boston, Mass., June 16, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your favor of June 12th at hand requesting us to report the results of the last year's work and in reply will say that we presume that this letter was sent out to your advertisers. The year past has been a good one with us, business has steadily increased, not only has the advertising in Farm-Poultry increased, but the subscription has increased, also. The results from our advertising in the past year have not been as good as we think we ought to expect, but it takes some little time for advertising to produce any result, as we find it to be cumulative in its effect. Very truly yours,

I. S. JOHNSON & Co.

Largest Sales of Eggs and Fowls He Ever Had—Compelled to Build Another Large House.

Hope, Ind., June 16, 1899.

Editor American Poultry Journal.

DEAR SIR:—I have had the largest sale of eggs and fowls the past season I ever had. Eggs hatched better in the hands of my customers and on the farms than ever before. I got some reports of 13 chicks from setting of eggs after being shipped to Canada. I have out 1,500 chicks and all doing fine. I expect the coming season to be the best ever experienced in the poultry business. I am going to be compelled to build another large house this season to enable me to care for the large amount of exhibition birds I will condition for the shows. I am glad to see the White Plymouth Rock gaining the admiration of the fanciers the world over. There is surely no better breed. Respectfully,

U. R. FISHEL.

More Orders for Eggs Than He Could Care For.

Homewood Ill., June 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—It gives me much pleasure to inform you that I received more orders for eggs through any ad in A. P. J. than I could well take care of. We have about 650 youngsters doing nicely. It is too early to venture any predictions, but I expect to be with the boys the next Chicago Show. Thanking you kindly for your help, I beg to remain, Yours respectfully,

A. CHILCOTT.

Largest and Most Satisfactory Year—Interest in Poultry Universal.

Quincy, Ill., June 17, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to your favor of the 15th, beg to say that the past season has been the largest and most satisfactory I have ever had. I have received orders from all parts of this country as well as the large number of export orders, which goes to prove that the interest in poultry raising is almost universal. Each season suggests improvements for the coming one, and my line of Incubators and Brooders for next season will be the results of some fifteen years' experiment. At this writing I am not able to say just how your publication has paid me, but I am confident that it has done as well if not better than in the past. Hoping the above will prove satisfactory for the present, I am, Respectfully yours,

GEO. H. STAHL.

Early Hatch Poor—May and June Good—Year's Business Good.

Morgan Park, Ill., June 16, 1899.

Editor American Poultry Journal.

DEAR SIR:—The year's business as a whole can be counted a success. Eggs hatched very poor early in the season, good hatches for May and June. Egg trade good, could not fill all my orders, a great demand for stock first of year. Have been to considerable expense to get birds to improve my stock in White Wyandottes and Black Langhans, and my young chicks hatched in May are the finest I ever raised; they have the true shape, and are feathering to perfection. These birds will surely crow in the show room the coming winter. The closer we cull our breeding birds, the better stock we will have. I had rather breed from 50 well selected birds than from 100 poor ones. Expect to increase my plant for next season. Have found the Journal a fine advertising medium; wishing it success, I remain, yours in feathers, H. H. FIKE.

He Has Moved.

Geneva, Ill., June 15, 1899.

Editor American Poultry Journal.

DEAR SIR:—Yours of the 12th inst. at hand and will say in reply that I have moved my chickens and all my interest to Geneva, Ill., and hereafter all my stock will be farm raised. I have a fine lot of early chicks out and will have some fine ones for fall and winter shows. Also some fine young stock for sale and all out of my first prize cock at Chicago show, 1899.

D. PURNELL.

Early Hatches Behind—Chicks Now Doing Finely.

Sac City, Iowa, June 14, 1899.

Editor American Poultry Journal.

DEAR SIR:—Replying to your letter of June 13, will say I have been a little behind in hatching this season, and the rats took the most of my earliest hatch but now the chicks are coming on finely, and judging from the way they are developing I am going to have some beauties, especially in Partridge Cochins. They are beginning to show some very fine pencilings. My Golden Wyandottes are doing well, but are a little later than the Cochins; have one bunch of nine from Ira C. Kellar's best pen that give promise of being splendid birds. If nothing happens to prevent I am going after some prizes at some of the shows this winter. My first experience in showing birds brought me fourth on Golden Wyandotte cockerel at Cedar Rapids last winter. I have not had a very large trade this season, but I am a new man in the field and did not expect to draw the trade from the old fanciers the first season. I am well satisfied with my investments in ad-

vertising and expect to continue next year with you. I do all my hatching with incubators, and raise my chicks in brooders. I have no trouble with hens leaving nests and lice on chicks, etc. I would not have the worry of a sitting hen on my mind for anything. Just use a "Successful" Incubator, and you are all right. Yours truly,

H. A. TOWNE.

A Most Successful Year—More Sale of Stock and Eggs Than Ever Before.

Oak Park, Ill., June 16, 1899.

Editor American Poultry Journal.

DEAR SIR:—Yours of the 10th at hand, and in reply can say that I have had a most successful year. I have had more calls and have had more sales of stock and eggs than I have ever before and have had better luck in hatching and raising chicks, of which I have now quite a flock of coming prize-winners and breeders. I have sent eggs all over the United States, from Massachusetts to Idaho, with good results, and am more than pleased with the results of my advertisements in the A. P. J., so wishing you a long-lived success, I remain, Yours very truly, GEO. STAHMER.

A Good Egg Trade.

Alvin, Ill., June 15, 1899.

Editor American Poultry Journal.

DEAR SIR:—I am pleased to say that my advertisement in A. P. J. has more than met my expectation. I have enjoyed a good egg trade, and the A. P. J. has credit for most of the business. Eggs have been hatching well for me and with my customers that have reported, some hatching every egg. Am having splendid luck with my chicks, and will be in shape to take care of a good trade this fall and winter. With best wishes to the A. P. J.

W. M. JAMES.

Stock All Sold Out Early—Egg Trade Still Booming.

Concord, Mich., June 14, 1899.

Editor American Poultry Journal.

DEAR SIR:—Business in Houdans has been very good this year, not only with me, but with brother fanciers, when the public knew they had something good for sale. I was early sold all out on females and soon after had no male birds to part with. Owing to the extreme cold spell in February and March early eggs did not hatch well, not only with me, but with most breeders in the north. For this reason I replaced many eggs. Late eggs hatched well and the egg trade at this writing, June 14, still continues to boom, and all through the season the egg trade was such that my 48 females could hardly keep up with orders. I have a fine lot of youngsters growing and expect to show the best of them in the show room next season. My ad pays. Respectfully,

FRANK W. MCKENZIE.

A Heavy Increase—Many Sales Abroad.

Homer City, Pa., June 16, 1899.

Editor American Poultry Journal.

DEAR SIR:—We beg to acknowledge receipt of your esteemed favor of the 14th inst. in reference to another season of the poultry business having closed.

Now, no doubt, you are aware that we are not engaged in the poultry business ourselves, but confine ourselves strictly to the manufacture of incubators and brooders. However, we are greatly encouraged when we realize the fact that our business shows a heavy increase. We have had more inquiries and have sold a great many more machines this year than ever, although ever since we have been in business our annual sales have increased, which goes to show that the poultry business in this, as well as other countries, is increasing each year. We are making a great many sales abroad; in fact, it seems that in almost every civilized country they are making inquiries and buying incubators and brooders. We have no doubt but what we receive our share of the trade. Our sales have been very heavy. We have given employment to more men this season than ever, and have had to add considerable more office force in order to keep up.

About the 15th of August we purpose issuing a catalogue, advertising Prairie State Incubators & Brooders, which, we think, will eclipse any catalogue issued by any business firm in the United States, we care not what business they advertise, going out through the mails to direct inquiries. Very truly yours,

PRAIRIE STATE INCUBATOR COMPANY.

Good Trade—Stock Sold Early—Egg Trade Fair.

Champaign, Ill., June 17, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your inquiry as to my season's work in the poultry yard is at hand. I had a good trade. All my surplus stock sold early and a great many orders I had to return on account of being sold out. Egg trade fair. Sold all the eggs I cared to spare. Eggs hatched only fairly well at home. Some poor hatches reported of eggs sold. I have not as many chicks as in former years, but I think the quality much better. I think I will have something that will make some of the boys hustle in the show room this winter. My turkey crop is almost a total failure this year.

Respectfully,

E. H. EPPERSON.

Very Satisfactory.

Clear Creek, Ill., June 14, 1899.

Editor American Poultry Journal.

DEAR SIR:—The result of the past season's business has been very satisfactory to me. My supply of S.-L. Wyandottes for the year's trade, while not sold high, were well closed out at good living prices, for which I am to no small extent indebted to the American Poultry Journal. Respectfully yours,

W. L. MILLS.

Best Year Since 1883.

Jacksonville, Ill., June 15, 1899.

Editor American Poultry Journal.

DEAR SIR:—Regarding my poultry business this year, it has been better than any previous year since I first began in 1883. Reports from eggs sent out have not been so good as I hoped for. Eggs at home have hatched well and I have more than 300 Barred Rock chicks to select from for next fall and winter's trade. My other varieties, too, are doing well. The American Poultry Journal has done its share in making sales for me this past season. Already inquiries are coming for early show birds.

Respectfully yours,

D. T. HEIMLICH.

Egg Sales Heavy Late in Season—Growing Demand for Pure Bred Stock.

Belleville, Ill., June 15, 1899.

Editor American Poultry Journal.

DEAR SIR:—Replying to your favor of the 14th inst., we will state that inquiries and sales of stock were very good this season. There seems to be a general disposition among all poultry raisers for more pure bred stock and good prices are readily obtained. Egg sales late in season were very heavy; in some varieties we booked orders 30 days ahead. Hatches in May and June are excellent, many at 100 per cent. Early hatches were disappointing to us and our customers in many instances, and we cannot account for it. We have a large lot of gilt-edge young stock that is doing very nicely. With best wishes for the poultry fraternity, we beg to remain, very truly yours,

CONTINENTAL POULTRY FARM.

Very Gratifying—Egg Trade Good.

South Haven, Mich., June 22, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reviewing the poultry business for the season about to close, I find the results very gratifying, although the winter was a very severe one on the old fowls. Most of them came through in good shape, however, and the breeders in this section of Michigan have had a good egg trade, in fact more orders than they could fill for the White Plymouth Rock, and in most cases the hatch reports have been good. The "White Rocks" are very popular throughout the Fruit Belt. Most places that keep poultry have them or their grades. I have had a good trade in the spring for males to mate with their mixed hens for the past ten years, which has brought the quality up to a very high standard for farm poultry. People who carried their eggs to the grocery in pails and all sorts of dishes a few years ago, now take them in regular shipping cases either to the dealer or ship them direct, which goes to show a great improvement in the poultry business, and yet we do not get eggs enough. During the summer months, July and August, South Haven has to go to Chicago for eggs. There is room for more. Yours truly,

J. J. CLEMENT.

The Best Year.

Freeport, Ill., June 22, 1899.

Editor American Poultry Journal.

DEAR SIR:—We have your favor of the 15th inst., and in reply will say that our business has been better this year according to the amount of money received and amount spent than any year since we have been in business, and we expect to have a finer and larger stock the coming season than ever before. Thanking you for past favors and awaiting your further orders, we remain,

Yours very respectfully,

JOHN BAUSCHER, Jr.

Anticipations Overreached—Forced to Enlarge.

Petaluma, Cal., June 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—Season's work was more than satisfactory. Our anticipations were overreached and this summer are forced to enlarge again. Ad in the A. P. J. was satisfactory in results. Excuse brevity, but we are awfully busy right now.

PETALUMA INCUBATOR CO.

Gray.

A Well Pleased Breeder.

Rockford, O., June 25, 1899.

Editor American Poultry Journal.

DEAR SIR:—We wish to say to the readers of the Journal that the season in the poultry business just closed has been both pleasant and profitable. Poultry doing well, eggs hatching well, customers well pleased as far as heard from. Have a goodly number of chicks out, and are growing and developing fast by feasting on the insects of the

fields, where chicks are permitted to roam during the day. This surely means health and development. Chicks seem to enjoy country life. Our sales this spring on Houdan stock and eggs have been three fold greater than any previous year. In Barred Plymouth Rocks sales have been more than doubled. In White Plymouth Rocks sales a little increased over last year. In White Wyandottes sales have been about the same. We want to be in position by November 1st to serve our patrons to the best of our ability, who wish to purchase stock both old and young.

A. J. BARGAHISER, Prop.

More Than Ever Before.

Lancaster, Mass., June 23, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your favor at hand. I have had more business this season than ever before and I believe the interest in pure bred poultry is sure to increase. Breeders begin to appreciate the fact that it's *quality* they want and are willing to pay for the very best. I have a large number of fine chicks growing and many of them look like winners. Will have them well matured for the early shows. The American Poultry Journal is greatly improved and one of the best advertising mediums.

Truly yours,

A. C. HAWKINS.

As Fine Chicks As He Ever Produced.

Washburn, Ill., June 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to your letter of the 15th, I have hatched 300 as fine chickens as we ever produced. The eggs are from my prize winners and others scoring as good and better. My results have been good. I will still continue to breed for first-class birds. Have some that will weigh three pounds barred to the skin and of fine shape and color. I have not had many orders for eggs. I did not care to sell till I saw the results of my matings. Truly yours,

THOMAS MCKEE.

A Wonderful Egg Trade.

Washington, N. J., June 22, 1899.

Editor American Poultry Journal.

DEAR SIR:—I have had a wonderful egg trade this year. Could not fill all my orders. The American Poultry Journal has done its share to help bring me a great many Western breeders to buy stock and eggs. My business has grown so the last year that I am compelled to enlarge my plant. I remain, yours truly,

C. E. VASS.

Much Better Than Expected.

New London, O., June 22, 1899.

Editor American Poultry Journal.

DEAR SIR:—Answering yours of the 16th inst. with reference to a review of our work in poultry business during the past season will say business with us has been much better than we expected and we attribute our success to the exceptionally good qualities of stock and eggs shipped to our customers, and the results of keeping our card constantly before the public in such mediums as the American Poultry Journal, which we have always found to be a profitable medium in which to advertise. Prospects for future business never were better and we look forward to and are preparing for a great increase in business for next season. The quality and number of breeding stock in Linwood Poultry Yards never were better than during the season now quite well advanced and we expect to be on hand with plenty of good stock ready for the first opening of trade in autumn and winter. Wishing the A. P. J. the continued success it has so justly merited in the past, I am, very truly,

CHAS. MCCLAVE.

Eggs Hatched Fairly Well—A Fine Lot of Bronze Turkey Poults.

Boggstown, Ind., June 23, 1899.

Editor American Poultry Journal.

DEAR SIR:—Our eggs have hatched fairly well. We have a goodly number of Plymouth Rocks and a fine lot of Bronze Turkey Poults for the fall and winter trade. They are coming along finely, too, but not quite so many as some former years, on account of the backwardness of the laying this spring. We have had only a few complaints of bad hatches. We have had considerable trouble with the gapes this spring. Have used turpentine in feed and used the hair extractor, but cannot get them stopped. If any of the readers of the A. P. J. could tell me a remedy would be thankful for it. Yours respectfully,

S. B. JOHNSTON & CO.

Better Than Last Year.

Garden City, Kan., June 16, 1899.

Editor American Poultry Journal.

DEAR SIR:—Trade has been much better than last year. Eggs have hatched well. Young stock doing fine. The demand for Belgians increasing.

A. S. PARSON.

Few Poor Hatches Reported—Chicks Showing Finely.

Austinburg, O., June 26, 1899.

Editor American Poultry Journal.

DEAR SIR:—In response to your favor of the 15th inst. I would say that business with me this season has been very satisfactory. The egg trade has not been as extensive as I had anticipated, but on the whole very good. Shipped eggs from Massachusetts to Oregon and from Minnesota to Texas, and but few reports of poor hatches. Under my guarantee I duplicated these settings free. Eggs hatched splendidly with me and chicks are showing fine color. Shall be able to furnish some grand young stock in the fall. Am more than satisfied with American Poultry Journal as a business bringer, and can recommend it as such to any one who has good stock and does exactly as he agrees. I look for an active demand for good stock, buyers seemingly becoming aware of the fallacy of buying cheap birds to breed from. I remain very truly yours,

E. A. PHELPS.

THE JUNGLE FOWL OF LUZON.

At last one of the desires of my heart is gratified. I am the proud possessor of two pair of the "Wild Mountain Fowl." I recall the various speculations in poultry literature as to the origin of the domestic fowl and know that the Bankiva jungle fowl and Sonnerato jungle fowl are selected as the original progenitors of the domestic fowl. It is strange, but I have never read of the wild fowl of these islands. But here unquestionably is to be found a wild fowl which could easily be the ancestor of some at least of our domestic fowls. My two pair are from the province of Camerinas, one of the southern provinces of the Island of Luzon. Imagine an *old* English shawl-necked, full feathered Black Breasted Red Game cock, of a pound and a half to two pounds weight, and there you have the "Wild Mountain Fowl" of the Island of Luzon— a perfect Black Red Game cock in miniature. The hen is a reproduction of the female in color and shape of the old English Black Breasted Red Game hen in miniature. The hen when hunted, I am told, will flush like a quail, but the cock don't rise to the hunter. They are great on the wing. If I were scoring these little fowls I could use—in color—the American Standard. Turn to that, take the color description, and there you have it in the Black Breasted Red Game fowl clearer and better than I can write it. In the Dominican Museum at Manila I found stuffed specimens of the Mountain cock and hen of Luzon exactly like those I had. In the same museum I found stuffed specimens of the Mountain cock and hen from another island—I cannot recall the name of the island. These Mountain fowls differed from those of Luzon Island in two particulars only. These are perfect colored Brown Red Games, and the color for both the cock and hen can be taken section for section from the Standard description of Brown Reds. But the hens have one spur on each leg and the cocks two spurs on each leg.—Theo. Sternberg, in The American Fancier.

MRS. OREBAUGH'S WHITE PLYMOUTH ROCK.

On page 310 we print the illustration of White Plymouth Rocks, owned and bred by Mrs. Orebaugh, of Batavia, Ohio. The illustration speaks for itself as regards the good qualities of her stock. She writes that eggs have hatched well and the young chicks were never healthier nor in better condition. She has hatched a large number and is making quite a success selling young chicks, the price for the same two weeks old being not more than most fanciers would ask for the eggs.

The middle of April the Mayor of Battle Creek, Mich., appointed Geo. S. Barnes, editor of Michigan Poultry Breeder, a member of the Board of Public Works, a five-year appointment.

EGG SHELL.

GRANULATED EGG SHELL.

Perfectly Dry.

Both Grit and Food combined. Nothing like it to make hens lay eggs. Samples mailed for stamp. 10-lb. bags 50c; 25-lb. bags $1; 50-lb. bags $2; 100-lb. bags $3.75, f. o. b. Chicago. These shells are made from hen's eggs and are perfectly clean and free from odor.

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BREEDERS

BUFF WYANDOTTES — Eggs from strong, sturdy, business birds, $2 per 13. Dr. N. Willard Sanborn, Wellesley Hills, Mass. 5-3

AMERICAN DOMINIQUES—The best all around fowl in the world. Over 35 years a breeder of this breed, so have the best there is. Eggs $1.50; two sittings $2. L. M. Jones, Lairdsville, N. Y. 5 3

LIGHT BRAHMAS, S-c. Buff Leghorns and S-c. Black Minorcas. Stock guaranteed pure. Eggs $1.50 per 15. A. W. Foster, New Douglas, Madison Co., Ill. 5-3

CHINESE PHEASANTS—Eggs $3 per 15; $5 per 30. R-c. B. Leghorns, Barred Plymouth Rocks and Buff Cochins—eggs $1.50 per 13. Stock unsurpassed. Mrs. Angie Dean, Beaver Dam, Wis. Mention A. P. J. 5-3

THEODORE HEWKE, May's Landing, N. J.—White Wyandottes, exclusively. Prize-winning cockerels and pullets for sale. Eggs $2 per sitting; $5 per hundred. Pekin Ducks and eggs for sale. Write. 5-3

HEAVY WEIGHT Belgian Hares from imported stock. Fine specimens always for sale. Our prices range according to age, from $1 to $3 per pair. Smith & Friend, Blanchester, O. 5-3

BUFF BRAHMAS—Exclusively. Eggs for sale. Satisfaction guaranteed, Write for price list and description. L. M. Frederick, Benjamin, Pa. 5-3

W. WYANDOTTES, R-c. Brown Leghorns. Eggs from choice matings $1.50 per 15, straight. Correspondence a pleasure. Circular free. Ed Hippert, Box C. 491, Kewanee, Ill. 2-99-1yr

FAIRVIEW POULTRY YARDS. C. A. Sparks, proprietor, North Topeka. Kans., breeder of B. P. Rocks exclusively. Eggs from pen 1, $1.50; pen 2, $1 per sitting of 15. Leffel strain. 4 5

S-C. BUFF and Brown Leghorn eggs for hatching. Won all firsts at Mansfield, all firsts at Ashland shows, except pullet. Breeding pens score 92½ to 95, McClave judge. Brown eggs $1.50 for 15; Buff, $2 for 15. Satisfaction guaranteed. J. F. McConnell, Ashland, Ohio. 5 3

W. P. ROCKS. W. Wyandottes, B. Minorcas, L. Brahmas. America's four best strains. Bred on scientific principles. Eggs $1 per sitting. The Burlington High st. Poultry Yards, Burlington, Wis. 5-3

GOLDEN & S. L. Wyandottes, scoring from 90 to 94½, America's best strains. All of my eggs $2 per 13 after April 25th. A. C. Smith, Chenoa, Ill. 5-3

GOLDEN WYANDOTTES—Exclusively Only the best stock obtainable in pen, scored 91 to 94 by Hewes. Eggs $2 per 15. O. E. Reade, Tampico, Ill. 5-3

GOLDEN WYANDOTTES and Buff Leghorns. Four fine breeding yards, mated to produce best results. Birds scoring from 90 to 95½ points. Eggs $1.50 per sitting. C. F. Blackman & Son, Painesville, Ohio. 5-2

BARRED PLYMOUTH ROCKS and Pekin Ducks. Fine stock of each for sale at $1 per head. Eggs, 13 for $1; 30 for $2. T. R. Harper, Box R, Rockton, Ill. 5-3

H. W. HOUSE, South Bend, Ind., has for sale Bronze Turkey eggs, $2.75 per 11; Toulouse Geese, $3.00 per 9; Rouen Ducks, $1.00 per 11; Black Langshans, $1.00 per 15; Dark Brahmas, $1.00 per 13; Silver Wyandottes, $1.00 per 15; Pit Games. Above stock scores 90 to 97½. 5-3

ARNOLD WHITE WYANDOTTE and Wyckoff White Leghorn eggs, $2 for 15; $3.50 for 30; $10 per 100. Choice litter pedigreed Scotch Collie pups on sale now. M E. Servoss, Edison, Cook Co., Ill. 5-3

PIGEONS as large as crows. Large English Runts that will measure 33 to 40 inches from tip to tip. Also Homers of the best Belgian and American strains. J. M. Riel & Son, 122 Cortez st., Chicago, Ill. 4-99-1yr

BARRED ROCKS—Exclusively, Thompson strain. Choice selected cockerels, pairs, trios and pens at low prices after Sept. 1st. My six yards of one-year-old breeders for sale now. Satisfaction guaranteed. H. E. Kipp, Red Hook on Hudson, N. Y. 7-3

W. A. BOOKMAN, Hooker, Ohio, breeds S.-c. B. Leghorns, W. P. Rocks and W. H. Turkeys of the finest quality. Eggs, $2 per 15. Turkey eggs, $3 per 11. Stock for sale. Satisfaction guaranteed. 3-99-1yr

EGGS $1.00 per setting of 13, warranted from the very best of stock, Light Brahmas, Barred and White Plymouth Rocks and Partridge Cochins. John Hamilton, Box 221, Cuba, Ill. 3-6

GAMES—The first prize cockerel at Chicago (1898) heads my yard of Red Pyles and a 94½ cockerel my pen of Black Breasted Reds. Circular free. F. E. West, Darlington, Wis. 2-99-1y

PURE BUFF Wyandottes, line bred and bred to win. "A large, fine bird, good in color, shape and comb," says a noted judge of our first prize cock, the foundation head of our strain. Eggs, the kind you want, $2 50 per 15. Catalogue free. H. W. Boles, Deerfield, Utica, N. Y. 3-99-1yr

AFTER MAY 1ST I will sell eggs from my grand Silver Wyandottes and Houdans that will produce prize winners, at $1 per sitting. L. A. Junod, Mulberry Grove, Ill. 5-3

BUFF WYANDOTTES Exclusively for sale. First, second and third prize winners at Canton, East Liverpool, Ashland, Crestline and Mansfield, Ohio, scoring from 91 to 93 points under judges Bridge, Shellenbarger, Heimlich and McClave. Address I. S. Donnell, Mansfield, Ohio. 7-1

FOR SALE

THE C. B. DAVIS Poultry Plant at 5727 Paulina st., Chicago, for sale or rent. In good condition. $20 a month, including occupancy of dwelling house. Write before July 31st, One 300 egg Invincible Incubator for sale, $12. Address Mrs. C. B. Davis, 5624 Marshfield, ave., Chicago, Ill. 7-1

FOR SALE—At $1 a pair—A fine lot of Pouters, Fantails, Jacobins, Tumblers, Homers, etc. Overstocked and must have room. F. P. Fergason, 415 Hickory st., Owosso, Mich. 7-3

EGGS $1—Barred and White Rocks, Black Javas, Minorcas, Light and Dark Brahmas, Black, White, Brown, Buff and R-c. W. Leghorns. Pens of above for sale cheap. Incubator $10. J. Stevens, Webster City, Iowa. 7-2

HERE is your chance at farmers' prices. Eggs from Dark Brahmas, Partridge Cochins White Wyandottes, Barred Rocks, White and Black Minorcas, $1 per 13; 75 per cent. hatch. Frank Balser, Yountsville, Ind. 4 4

FOR SALE—Barred P. Rock Eggs from best strains and good strong birds. $4.00 per 100 eggs. Buff P. R. Eggs choice $2.00 per 13 eggs. Pekin Duck Eggs, Pollard strain, large, $1.00 for 11 eggs. Carefully handled. John Baynes, Salem, Ind. 3-tf

EGGS For Hatching from prize winning Plymouth Rocks, (Thompson) Buff and Partridge Cochins, $1.50 per 15. Send for circular. Address, Will Allen, Greenfield, Ill. 3-6

THE JOSEPH McKEEN Winnebago Poultry Farm for sale at a bargain. Correspondence solicited. Mrs. Jos. McKeen, Omro, Wis. 5-3

FOR SALE—Buff Rocks; last year's birds; one male, buff to skin, six females, good color. Have to make room for young birds. C. D. Pautzer, Evansville, Ill. 5-3

BEST CHANCE YET—50 selected Rankin Imperial Pekin Ducks, mostly yearlings, mated and laying, for sale at a bargain. Eggs, 50 for $3.50; $6 per 100. M. E. Servoss, Edison, Cook Co., Ill. 5-3

FOR SALE—Barred Plymouth Rock Eggs. Send $3 for 100 fresh, fertile eggs from large stock that score in the 90's. No sick birds in my yards. Clara V. Beardsley, Buckingham, Ill. 5-3

FOR SALE—Eggs from Single-comb White, Buff and Brown Leghorns; also Barred Rocks (all scoring over 90 points) $1.50 per 15; $2.50 per 30. Barred Rocks $2.50 per 15 straight. 10 chicks guaranteed. S. J. Martin, 59 Perry st., Titusville, Pa. 5 3

FOR SALE or Exchange—Barred Rocks, 1 Light Brahma cock, B flat Cornet, E flat Alto, and Fox Terriers, for Buff Cochin Bantams or offer. Geo. J. Gleason, Elburn, Ill. 6-3

EGGS FOR SALE—Barred Rocks, Hawkins and Russell strains direct; Buff Rocks, Burdick; White Rocks, Empire; Partridge Cochins, Bronze Turkeys, Pekin Ducks. Write your wants. Satisfaction guaranteed. James May, Lewistown, Ill. 5-3

FOR SALE—Light Brahmas—no one stock. I make a specialty of this breed; 150 fine birds at reasonable prices for quality. and White Holland Turkeys. Satisfaction guaranteed. Eggs in season. M. L. Rude, Liberty, Ind, 4-4

SPECIAL OFFER.—One sitting of eggs free with a small order for poultry supplies. Eggs from 15 varieties of pure bred fowls. Send for fine catalogue. Oak Grove Poultry Yards, Piatteville, Wis. 9-98-1yr

FOR SALE—S. S. Hamburgs, Houdans and Mongolian Pheasants. Eggs for hatching $2 for 13, $3.50 for 26; Pheasant eggs $4. for 15. Photo-pamphlet of prize winners mailed free. Horicon Poultry Yards, Horicon, Wis. 9-98-1y

FOR SALE—Games $1 for 13 eggs. Free Circular. Irish Black Reds, Heathwoods, Irish and Mexican Grays, Tomadoes, Rouen Ducks, Cornish Indians $2. C. D. Smith, Fort Plain, N. York. 2-6

FOR SALE—Lake Shore Poultry Farm offers the finest lot of Partridge Cochins, Light Brahmas and Single-comb White Leghorns ever offered. Eggs $1.50 for 13. Satisfaction guaranteed. Mrs. H. Marlow, Box 217 Beaver Dam, Wis. 5-3

PIGEON SALE—Pouters, Jacobins, Tumblers, Magpies, Fantails, Homers, Nuns, Blue English Owls. L. R. Brakel, Plymouth, Ind. 6-3

EGGS $1—Barred and White Rocks, Black Javas, Minorcas, Light and Dark Brahmas, Black, White, Brown, Buff and R-c. White Leghorns. Pens of above for sale cheap. Incubator $10. J. Stevens, Webster City, Iowa. 6-3

FOR SALE—Eggs from heavy-weight Felch Light Brahmas, Langshans, winners of silver cup and many specials: Barred Rocks, of the deep blue-barred kind; S-c. B. Leghorns, winners wherever shown, $1.50 per 13. N. S. Curtis, Iowa Falls, Iowa. 6-3

HARES—Belgian Hares from 50c to $1.50 each; standard color, standard bred. As fine a litter of Scotch Collie Shepherd pups as there is in America. Send stamp for catalogue. B. H. Westlake, DeKalb, Ill. 6-3

FOR SALE—Barred Plymouth Rocks and Black Minorcas, Thompson, Hawkins, Knapp and other fine strains of breeding birds. Pullets and hens only. (Cockerels all sold.) Also eggs for hatching from thoroughbred fowls at reasonable prices. A. M. Zabriskie, Aurora, N. Y. 6-3

FOR SALE—Poultry and fruit farm, 35 acres in suburban town, four miles from Kalamazoo, 150 from Chicago; opposite Michigan Central depot. Fine residence; barn; 100-ft. poultry house, stocked with thoroughbreds. Rare Bargain. Easy terms. Address Box 395, Kalamazoo, Mich. 5-3

MISCELLANEOUS.

TO CLEAN PAPER on walls, and a dozen other valuable recipes. Write for list; also circulars. Address Lake View Summer Resort & Poultry Yards, Catawba Island, Ottawa Co., Ohio. 5-3

48-INCH POULTRY NETTING, $2.25 per roll. Delivered. Send for complete prices of all sizes. J. H. Jones, L. Box 11, Streator, Ill. 5-2

NATURE'S OWN HEALER—Elbert's Meadow Herb Ointment, price 15c, is a perfectly harmless herb medicine. A generous size box at a price easy to spare. Send for circular. Robt. J. Witz, Burlington, Iowa. 7-3

FOR EXCHANGE

TO EXCHANGE — Choice pedigreed Collie pups; want W. Wyandottes, Ferrets or cash. What have you? White and Buff P. Rock eggs from winners, $2 per 13. Write A. F. Ackley, Woodstock, Ill. 4-3

FOR EXCHANGE—I want to change blood. I have cockerels of known breed, namely: Five Partridge Cochins and four S-c. B. Leghorns. I want Belgian Hares of prolific breed (yearlings) and Turkeys. A. L. Vanden Berghen, River Forrest, Ill. 4-3

FOR EXCHANGE or Sale—2 Bull Terrier pups, 4 months old and warranted to be dead game. Wanted a double barrel shot gun or offers. Lumley's Pigeon Loft, Pittston, Pa. 7-3

BUFF, Barred and White Rocks,
BUFF, Black, Partridge White Cochins,
BUFF, Black, Golden, Silver Wyandottes, White Indian Games, White Langshans. Won 143 prizes three shows. Eggs $1 per 15. R. H. Vanderhoof, Newton, Ill. 5-3

T. E. HUSTON,
Breeder of and Dealer in
DUROC - JERSEY HOGS
and Black Langshan Chickens.
Blackwater, - - 5-3 - - Mo.

CORNISH INDIANS EXCLUSIVELY.
Stock all sold until after June 1st, but am offering eggs from extra fine matings at $2.50 per 15. Half price after May 1st.
F. D. BENNETT, Galena, O.

REMEMBER that Spring Run Poultry Yards of Dr. W. A. Crum & L. A. Logsdon, Carey, O., have as fine lot of young chicks and geese in W. & Buff P. Rocks, W., S. & Buff Wyandottes and T. & E. geese as can be found in U. S. All bred from their famous winners, ready for shipment any time. 150 yearling breeders at $1 per head. Send for catalogue, mention A.P.J.

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UTAH EXPERIMENT STATION POULTRY EXPERIMENTS.

Bulletin No. 60 of the Utah Experiment Station, reports the second year's results of experiments with poultry. It is a continuation of the work reported in Bulletin No. 51. The objects of the experiments are stated as follows:

1. The relative value of year-old hens and of pullets.
2. The effect of exercise.
3. The relative value of early and of late hatched pullets.
4. The yearly food cost per fowl.
5. The average yearly production of eggs per hen.
6. The weight of eggs from different breeds.
7. The relative fertility of eggs under different treatments.
8. The relative fertility of fresh and of old eggs.
9. The merits of different incubators.
10. The effect of different methods in artificial incubation.

The bulletin, which may be had free on application to Luther Foster, Director Experiment Station, Logan, Utah, gives full details as to the manner of conducting the experiments, together with all the data, or summaries of them, collected during the year. There are several half tone cuts of the fowls used in the experiments; also exterior and interior views of the poultry house. The relative profit from pullets, year-old hens and old hens is shown graphically by photographs of three baskets of eggs, a very large one representing the profit from pullets, a small one for the year-old hens, and a very small one for the old hens. At the end of the bulletin a summary of the results is given as follows:

SUMMARY.

The following summarizes the results of the experiments as detailed in this bulletin. Some comparisons are made with the results reported in Bulletin No. 51:

1. During the year it cost an average of 64.3 cents per fowl for food for two pens of R. C. Brown Leghorn year-old hens. During their first year the cost was 61.7 cents per fowl.

2. As pullets they laid an average of 175 eggs per fowl during the year, worth $1.78; as year-olds they averaged 132.5 eggs worth $1.39½.

3. The average food cost per dozen of eggs was 4.3 cents during the first year and 6 cents the second year, or 40 per cent. in favor of the first year.

4. During the first year, as pullets, there was a profit of 188 per cent. on cost of food, and 118 per cent. profit as year-olds.

5. Further experiments are necessary to determine definitely the relative value of fowls for egg production at different ages.

6. The best egg record during the second year was made by a pen of Brown Leghorn pullets, hatched June 10. They laid an average of 164.6 eggs per fowl, worth $1.78, at a food cost of 60.5 cents, equal to 4.4 cents per dozen. The per cent. profit on food was 194. Two pens of April-hatched pullets averaged 159 eggs, making a profit of about 184 per cent. on food cost. The pen of late-hatched pullets was of a different strain from the others and was reared under different conditions, and the results are not, therefore, to be accepted as proving anything as to the best time for hatching.

7. As to the effect of exercise, contradictory results were secured. During the first year of pens 3 and 4 it required 22 per cent. less food to produce a dozen of eggs with the exercise than without it. During the second year of the same pens the results are decidedly in favor of the pen without the exercise. The test with pullets during the same year gives inconclusive results on the same question.

8. Exercise had little apparent effect on the weight of the fowl, that little being a slight increase in weight.

9. The eggs from the two pens without exercise averaged four per cent. heavier than those from the two exercised pens. This confirms results of the previous year.

10. The eggs from pens 3 and 4 weighed 3 1-3 per cent. more during their second year than during their first.

11. The exercised pens consumed a trifle more food than those without the exercise.

12. The eggs from the two pens of Light Brahmas weighed an average of 1.64 pounds per dozen; those from the five pens of Brown Leghorns averaged 1.46 per dozen; or about 12 per cent. in favor of the former.

NOTE: The conditions were not all favorable during the year for the highest egg production.

SCHOLARSHIPS IN THE COLLEGE OF AGRICULTURE.

At the request of the Illinois Farmers' Institute, the Trustees of the University of Illinois have granted a free scholarship, good for two years in the College of Agriculture of the University of Illinois, to one person from each county in the state; also to one person from each of the first, second, third, fourth, fifth, sixth and seventh Congressional Districts, being the Chicago Districts.

It is also provided that these scholarships be awarded by the Executive Committee of the Illinois Farmers' Institute.

To receive one of these scholarships will be an honor worth striving for aside from its money value, and its award will encourage many a farmer's boy and girl to work for a higher education which they might not otherwise hope to attain.

Those wishing to apply for this scholarship or desiring further information in regard thereto, should write A. B. Hostetter, Secretary of the Illinois Farmers' Institute, Springfield, Ill.

We acknowledge receipt of attractive folder containing the constitution and by-laws of the National Exhibition Game and Game Bantam Club from Secretary J. C. Pratt, 170 Adams street, Chicago. Also the constitution and by-laws of the American Rose Comb Brown Leghorn Club from secretary Charles M. Zink, New Albany, Ind.

BUFF WYANDOTTES.
Winners Wherever Shown.
Send for circular giving prizes. Some fine young stock for sale. Eggs $2.50 per sitting.
C E. ELLSWORTH, Danville, Ill.

RAINEY MILLER,
Champaign, - - - - Illinois,
BREEDER OF
Light and Dark Brahmas, Buff, Black and Partridge Cochins, Black Langshans, Barred and White Plymouth Rocks, S-c. B. and R-c. B. Leghorns, Cornish Indian Games, Black Minorcas, W. F. Black Spanish, S. S. Hamburgs.

NORTH MISSOURI POULTRY AND PET STOCK ASSOCIATION.

The North Missouri Poultry and Pet Stock Association will hold their third annual show at Macon, Mo., Dec. 4 to 8, 1899. W. S. Russell, of Ottumwa, Iowa, will do the judging. This of itself should bring out every poultryman in north Missouri. The officers of this association were chosen from leading poultrymen throughout north Missouri and who have been closely identified with the association from its inception. Macon is centrally located and railroad facilities good. The citizens are wide awake and fully appreciate the importance and benefits derived from a successful show. The special premiums offered by the business men attest their good will. The association will offer a good list of premiums and will spare no pains or expense to make this the most popular show of the season. Specially prepared circular letters will be mailed to the fraternity during July and August and our premium list will be ready for distribution about Oct. 1.

EASTERN ILLINOIS POULTRY ASSOCIATION.

The annual meeting of the Eastern Illinois Poultry Association was held at the Crescent Hotel, in Paxton, Ill., recently when the following officers were elected: W. H. Cleave, Buckley, president; P. E. Hunt, Paxton, vice president; Bert Keith, Elliott, treasurer; F. W. Beardsley, Gibson, superintendent; E. B. Pitney, Paxton, secretary.

Executive committee—Dr. E. M. Miller, Paxton; Eli Weaver, Loda; Chas. Radeke, Buckley; W. C. Mottier, Gibson; John F. Campbell, Rankin; E. H. Epperson, Champaign; D. A. Taylor, Gibson; Fred Spurling, Dewey; Elmer Chambers, Roberts; S. H. Taylor, Sibley; E. B. Morgan, Loda, H. L. Spaulding, Gibson; B. F. Hislop, Milford; J. P. Irwin, Paxton.

After the election the question of holding the next poultry show was considered and Dec. 19 to 22 was fixed upon as the date and Paxton as the place.

ELMIRA POULTRY ASSOCIATION.

The Elmira Poultry Association, incorporated, will hold its fourth annual exhibition Dec. 4-8, inclusive. No pains will be spared by the association to make its coming show larger and better than ever. F. B. Zimmer, Gloversville, N. Y., and Geo. H. Burgott, Lawton's Station, N. Y., will judge the show.

With the June number the subscription price of Poultry Monthly will be reduced to 50 cents a year.

Hope, Ind., June 1, 1899.

This is to certify that I have sold to Walter A. Wagner, of Luzerne, Pa., my noted prize winning White Plymouth Rock cock "White Prince," score 95½. This bird is the winner of many first prizes and is conceded to be one of if not the best two year old White Rock cock living. I will say the price paid for this bird is the highest ever paid for a White Plymouth Rock. The east secures White Plymouth Rock. The East secures ers' eyes the coming show season.

Respectfully,

Adv. U. R. FISHEL.

B. G. Smith, Elmira, N. Y., White Wyandottes, White Leghorns—Rose and Single-comb.

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A liquid. Paint on roosts. Kills body lice on fowls. No dusting, dipping, greasing or handling of fowls. Sample and 64-page booklet free by addressing Omaha office.

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Keyser's Blue Andalusians

Are the leading strain in America. Winning highest honors in America's greatest shows, Madison Square Garden, N. Y., and Boston, 1898-99.

Large Stock of Fine Exhibition Birds in both Old and Young For Sale Cheap.

Runt Pigeons for sale.

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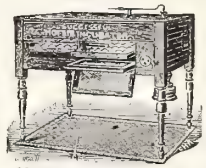
VESEY'S CHIX Is a Preparation of Vesey's Star Anti-Cholera Prepared Especially for

Cholera and Gapes in Chickens, Turkeys and Guineas.

If given as a preventive it prevents disease and makes poultry raising profitable. Every bottle is absolutely guaranteed. *No cure, no pay.* This remedy has been thoroughly tested under all conditions and never fails to give entire satisfaction as shown by hundreds of testimonials. Price 50c; six bottles for $2.50.

ANTI-CHOLERA CO., Union Stock Yards, CHICAGO.



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We manufacture a greater variety of standard machines than any other incubator firm. Capacity, 50 to 800 eggs; price, $8.50 to $68. Over 1,000,000 chickens hatched by our incubators last season. Send 6c. for 148-page catalog. Tells how to raise poultry and contains designs for poultry houses and other useful hints to the poultryman.

"SUCCESSFUL" **DES MOINES INCUBATOR, CO., Box 1, Des Moines, Ia.**

HECK HAS SOME

little White Rock winners that will be ready to face the Judge in September.

They Will Win for You

as well as for me, and you can have some at a fair price. They are the kind that have made Heck's strain famous.

FRANK HECK, Box 12, New Albany, Ind.

Sec'y-Treas. American W. P. Rock Club.

If You Want Very High Grade

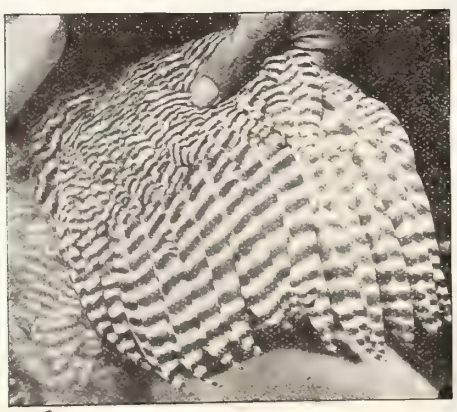


Photo of wing from my crack cockerel.

Barred Rocks

do not delay ordering sittings at earliest possible date, as the supply is quite limited. I make a specialty of quality and not numbers, and then every bird in my 10 breeding pens are bred right and are either tried breeders or very fine show specimens. I fully know that results will please as I now have young chicks three weeks old that are finer than anything raised in past years. Of course my prices are in harmony with fine quality of my strain. If you want cheap sittings and do not mean strictly business do not write. My prices are low for grand quality. Two pens

S-c. B. Minorcas,

the pick of 400 birds. I have yet for sale in stock, two B. Rock cockerels at **$50 each.** Prices, &c., by addressing me.

J. B. KIMENOUR, Belvidere, N. J.

THE CHICAGO PLAN OF JUDGING —A PARTRIDGE COCHIN PURSE FOR CHICAGO.

Ottumwa, Ia.

Editor American Poultry Journal.

DEAR SIR:—I am much interested in receiving word from Mr. C. A. Damon, of Chicago's advance step in adopting comparison judging at the next poultry show, to be held in your city. The rule adopted ought to suit score card advocates, for the non-winners will all receive cards.

Mr. Damon's idea of not scoring the winners is a good one, as every local show has its skyscraper scorers that would be behind the money perhaps in a large show. The correspondence on awards made at Chicago two years ago showed that many of the birds exhibited there were scored two or three points higher at smaller shows, some of them by the judge passing on them at Chicago. Large classes necessitate close scoring, and the exhibiter at large shows only has lots of competitors with birds scoring three points higher than his. I can take up a copy of most any farm paper and find barred Plymouth Rocks that dozens of expert judges and breeders would gladly pay $100 for if they really had quality back of the scores claimed, yet these birds head pens from which eggs can be bought at 50c to $1 per sitting! We have the same to contend with in Cochins and our highest priced birds sold to expert breeders are critically described and sold without any reference to card, in fact in my catalogue scarcely any scores are quoted. We noticed a letter from Dr. Schmidt, of Mo., in several journals, on the merits of score card and comparison judging. It seems the Dr. was defeated on an Indian Game male at last Kansas City show by a male he thought inferior, or at least would like to see a card showing the cuts on each section both on his male and the one awarded first. Now the poultry press for years has recorded numerous instances of birds varying five to six points by different judges and occasionally by the same one. The writer won fifth on his best pullet at a local show, and was ridiculed when the judge was told "that pullet will win first or second at Kansas City in two weeks," which I had the pleasure of seeing her do in close competition. Now I will ask the exclusive score card advocates, was I any better off with my cards on the two pullets that placed the poorer bird first with the cuts all written down on a card, than I would have been with the same award made by comparison? Neither system can remedy an error in judgment, but there is no surer way to kill off a poor judge than to allow him to place awards in a hot class at a large show, and no position that we should be more charitable as exhibiters. The card system has real value as an educator and at smaller shows is the proper method, but those persons who have waited five or six days at a large show where score card was being used, before they knew what bird had won, will welcome the advance made by the Chicago show management.

We suppose the judges chosen will be announced, so we can tell what type to take along. Last winter I did not know until I was ready to ship, what judge was selected to award in my class.

One of the most pleasing features of the last Chicago show was the meeting of the "specialty clubs." Buff Rock row was crowded with enthusiastic club members and fanciers all the time and I for one would like to see more clubs represented at your next show.

Last season a local show, West Liberty, Ia., secured over $50 in regular and special prizes on Partridge Cochins, $35 of it contributed by the breeders in Iowa alone. Now, why can't Chicago do something of this sort? Friend McGrew tells us we have some fair material out here in Partridge Cochins. Why not put enough money to bring some of the eastern fanciers to this point midway between the East and West? We used last season a male furnished us by judge Butterfield and were informed the fanciers whom Mr. McGrew lauds so highly, used brothers to this male. Is it something in our Western inexperience in fitting, that causes some eastern birds sent to Tennessee, Texas, Iowa and elsewhere to be beaten by Western bred ones? No better way to build up a Western trade than to show at some large city like Chicago. We have our first Chicago hen mated to a cock that won first as a cockerel in Partridge Cochin class at Boston and New York; this male, partly owing to poor condition, was behind the money in a cock class at last Cedar Rapids show. He was a grand shaped bird and my friend who bought him and I will divide on the stock in the fall. I simply mention this to show friend McGrew we have some fair "down east" material out here. There is no sectional feeling out here. I just sent two pullets to Connecticut at $50, and have a number of regular patrons in New England. People who have good Asiatics of any variety are not bothered in hunting customers for their best stock, and publications like American Poultry Journal assist materially in educating the buying public.

In closing let me say, I will give $10 toward a $100 purse to be raised by subscription among the breeders of Partridge Cochins and competed for at the show that will add a like amount in CASH, not cups, or in case a $200 breeders' purse can be raised, will contribute $25 toward it. Association to add a like amount. Now if we can raise $50 out here in Iowa and have exhibits from five states, what can we expect if a city like Chicago takes hold of it? This money was placed on cock, cockerel, hen, pullet, and pen at West Liberty show. An exhibit of 200 Partridge Cochins ought to be secured if this matter is taken hold of in a business-like manner. Will Chicago take hold of it or shall Kansas City or some other city secure this exhibit? This matter of a purse is sure to be taken up by some association. Partridge Cochin breeders can form the strongest specialty club in existence if they can be induced to attend some large show, and I for one hope to see such an organization perfected.

FRED E. BALDWIN,
Ottumwa, Iowa.

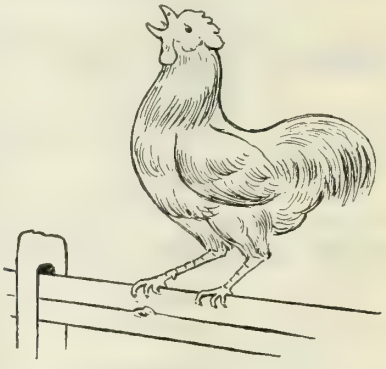
G. E. Halteman shipped recently one trio of Golden Wyandottes and one trio of Silver Wyandottes to Melbourne, Australia. This is his second shipment to the same party at that place and shows that Mr. Halteman is a breeder of good birds. A year ago he shipped a Golden Wyandotte and it took three first prizes in three of the best shows in the colony. This last order was received by Mr. Halteman last January.

We are Still Looking for that Louse

on our plant. If we find him we shall rebuy all the Puritan Vermin Destroyer we have sold.

If your chicks don't grow,
And you don't know,
Why so,
Puritan Foods will show.

If the Puritan Rooster is on the box, Puritan Chick Food is inside.



If Your Rooster Crows at Daybreak

He wants Puritan Poultry Food—every rooster crows at daybreak.

Puritan Laying Stock,

Puritan chicks, Puritan ducks, are all fed on Puritan Poultry Foods. Puritan record is a record to be proud of and the eggs hatch.

Puritan Poultry Farms—

Largest, most elegant and complete establishment on the continent. *Unequalled and unrivalled for filled capacity of brooders.*

Eggs that have been proven to be a good investment, from pure B. P. R. stock, bred for heavy egg production and not for finery.

Stamford, Conn.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

OUR EGGS ARE NOT THE DOLLAR KIND

Indian Games, per sett'g. **$8.00**
Buff Ply. Rocks per set'g. **$2.00**
Pekin Ducks, per setting. **$1.50**
Mica Crystal Grit, 100 lbs. $1; ton $7
Cshd OysterSh'ls, 100 lbs. $1; ton $6.50

CUT CLOVER 100 lbs, $1.25; 200 lbs, $2.00
Pure Beef & B, 100 lbs. $2.00
Cracker Cr'bs 100 lbs. $1.50

CLEVELAND POULTRY CO., Plattsburg, N. Y.

Cornish Indians, Exclusively.

A few fine hens for sale; also young stock after Sept. 1st. 150 to select from.

H. S. MARKS, Box 540, Lanark, Ill.

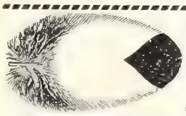
Special Premium Offer Pages S-c. Blk. Minorcas. In order to introduce my stock more fully, all orders of $5 or over will receive a sitting of my best eggs *free*. Stock for sale after Sept. 1st. All wanting good stock should write me for prices and circular. Satisfaction guaranteed.

H. D. Page, Ira, Cayuga Co, N. Y.

Silver Laced Wyandottes, Exclusively

Choice stock for sale at all times.

W. L. MILLS, Clear Creek, Ill.



Silver Spangled Hamburgs

that can win at the fairs and early shows. Circular with show record free.

G. G. WHERRY, Galena, O

PARTRIDGE COCHINS—EXCLUSIVELY—At Detroit Show, Jan. 3 to 8, '99, Sharp Butterfield judge, I won 1, 2, 3, 4 cocks, 93¾, 91½, 90½, 90¼; 1, 2, 4 hens, 93½, 92¾, 92¼; 1, 2, 3. 4 ckls., 94, 93, 93, 91½; 1, 2, 3, 4 pullets, 95, 94,¼ 94, 93¾; 1, 2 pens, 189 1-16, 187 1-16. Choice stock for sale.

JOHN C. STELLWAGEN, Wayne, Mich.

White Wyandottes,

America's Business Fowl.

Black Langshans,

Champion Winter Layers.

A few of this years' breeders for sale. Will have some fine young stock for sale Oct 1st. Better inquire about these birds at once. Letters cheerfully answered.

H. H. FIKE, Morgan Park, Ill.

None Better.

Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.

D. T. HEIMLICH,
Jacksonville, Ill.

Light Brahmas—**EXCLUSIVELY** **Mammoth Strain.**

10 pens headed by **HIGHEST SCORING BRAHMA** at Shenandoah show, and his cockerels by Brown **SCORING 92 to 95.**

Circulars Free. Eggs, $1 to $3 per 13.

J. G. LEMBKE, Box 25, Griswold, Iowa.

Buff P. Rocks.

That have been shown in hot company for the last five years and have every time been WINNERS. These are the original Coin Gold Strain.

EGGS **$2, $2.50 and $3 per sitting.** Address.
ISRAEL ROOT, Bloomington, Ill.

Highland Poultry and Fruit Farm.

EGGS $2 per 13; $3 per 26, from the best stock in the West. Light Brahmas, Black Langshans, B. P. Rocks, White-crested Black Polish, S-c. Buff Leghorns. Fine illustrated circular for the asking. Stock for sale.

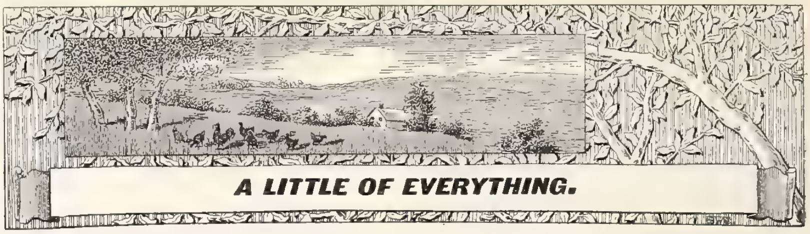
N. SCHWEINFURTH, Jackson, Mich.

BARGAIN SALE.

To make room for young stock I offer the following for sale cheap considering quality: 7 hens, 2 cocks Buff Cochins; 12 hens, 2 cocks American Dominiques; 1 pair White Wyandottes; 6 Houdan hens and 1 Black Langshan cock. Young stock for sale after Sept. 1st. Write me for prices. I have a stamp.

H. D. THOMPSON, Wheeler, N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL



A LITTLE OF EVERYTHING.

This Department is designed to bring our readers in closer touch with the editor and the fraternity generally. Many an invaluable idea comes to mind at odd moments, as an inspiration. The poultry man says, "That ought to be printed," but he neglects jotting it down, as the task of letter-writing seems too great. He neglects the opportunity. We ask every reader to send us a short contribution. It may be on a postal card. Don't let the good ideas escape. Anything, everything, is welcome. This is an original plan and is a success. It is a "Mutual Benefit Club." Address American Poultry Journal, 325 Dearborn St., Chicago, Ill.

Geo. O. Anderson, Homer, Ind.—

Egg orders continue to roll in. Am receiving enquiries for young stock from an ad in American Poultry Journal. Lost forty chicks the other week from crows. Demand for Belgian Hares is great. I have been booking orders the last three months to be shipped when stock is old enough.

Mrs. J. H. Orebaugh, Batavia, Ohio—

Eggs from Buff Rocks hatched June 15th made pullets that weighed seven pounds by the holidays. So do not despair if your chicks are June hatched. With proper care they will make good breeders and show birds. Do not fail to look after the chicks carefully, for the heavy morning dews are very hurtful. My experience has been in favor of brooders for late hatched chicks. We can control them better than with hens and give them less heat by making a small canvas tent and protecting them from the direct rays of the sun. Our chicks do just as well as those hatched earlier.

Fred F. Willis, New Carlisle, Ind.—

I find Buff Cochin Bantam hens just right to set my Buff Rock eggs under. They are kind and make the finest mother. Set early and keep the nest like clock work. Have set 10 eggs under bantam hen very successfully. Now is the time to watch young chicks, careful feeding and free from lice should be every true fancier's motto.

Wm. H. Halteman, East Coventry, Pa.—

One of the difficulties to overcome at this time of the year is to prevent young stock from crowding in their coops at night, as that is sure to breed disease. A very good plan is to have a coop with a movable top and bottom, with a loose rack made inside to roost on with the slats just far enough apart so the chicks cannot get down between them. This will keep them apart and also makes a coop that is easily cleaned.

Fred Grundy, Morrisonville, Ill.—

One of the neatest and most effective little implements for a poultryman to possess is a sprayer or atomizer. They are made 15 to 24 inches in length, tin or brass, and cost 30 cents to $1.50. Those made of heavy tin are good enough, and with care will last many years. Keep the air chamber well oiled or greased all the time. With one of these sprayers and a gallon of kerosene one can work havoc among lice, mites, chiggers, etc., in and about poultry houses, nests, coops, etc. Get a sprayer and use more kerosene (and less whitewash) and you'll have less trouble with poultry pests. Have had a very successful season. Shipped eggs to every state in the Union. Hatches reported very good. 95 per cent at home.

T. W. McClure, Carey, Ohio—

I feed clover mash to my breeding fowls every morning the entire year. A very simple way to prepare it without a cooker: Fill a large and rather deep pan about half full of cut clover. Cover this until the pan is nearly full of chop. Dig a hole down to the clover and pour boiling water sufficient to cover the clover. Close this with the chop and let stand half to three-fourths hour. Mix thoroughly and you will have a perfect, soft feed.

T. P. Ebersole, Manson, Iowa—

Have your pens so arranged that you can turn the young chicks into your grape and small fruit grounds. When chicks get large and fruit begins to ripen watch that they do not pick it, and if they begin to do so, shut them out until after fruit is gathered. You'll find this a good thing for both chicks and fruit.

D. J. Lambert, Apponaug, R. I.—

I notice that there is quite a little agitation among exhibiters as to which is the best method of awarding the prizes, score card or comparison. If we cut for defects in color of Black Langshans as asked in current standard, the best colored birds will not always win. It does not say not less than one, but one in each section where purple barring appears. I think it is safe to say that less than 10 per cent are free from this defect while 50 per cent would be more properly called Purple Barred Langshans, yet to follow law we must cut same for color, as we do those showing not over two small bars in a section. Is this just?

Excelsior Wire & Poultry Supply Co., 28 Vesey st., New York City—

The hot day wave on—now is the time to save your fowls by feeding Our Banner Moulting Powder. It saves birds from dying from exhaustion.

H. S. Burdick, Rome, N. Y.—

What makes your chicks droop and die, you ask? They are too thick, crowded, the hen has lice, the chicks are lousy, the coop is infested with mites in every crack, the coop is filthy, the ground under it poisoned and damp, you let the sun shine into your drink dishes, you do not cleanse them daily. You must change all this. Use your common sense as to how.

How to save those chicks. Dust the hens well with Persian Insect powder, dust every chick thoroughly, too; do it often, turn up the coops and fill the cracks with kerosene, then touch a match to it and burn out the mites, move

E. F. PEIRCE, Catawba Island, O.,
—BREEDER OF—
STANDARD BARRED PLYMOUTH ROCKS.
P. O. address Port Clinton, O.

Price of Eggs Reduced
to $1 per 13, after June 15,
—FROM—
Barred P. Rocks and S-c. White Leghorns,
that can go in best of company.
E. E. GREER, BEATRICE, NEB.

GRANT'S
Buff Cochins and Lt. Brahmas
Never Fail to Win,
A few good birds for sale at reasonable prices, After June 1st.
J. H. GRANT, Elmira Heights, N. Y.

T. P. EBERSOLE,
Manson, Iowa,
Will sell eggs from any of his breeding pens for $1 per sitting until June 20th. None for sale after that date. He breeds Light Brahmas, White Plymouth Rocks and Black Minorcas. Write for prices when in need of fine breeding or exhibition stock.

Brattain's Brown Leghorns
Winners of 5 firsts, 6 seconds, 2 thirds and 7 special premiums at Oxford and Indianapolis last winter. A few choice exhibition hens for sale at a bargain. Eggs half price after June 1st.
E. C. BRATTAIN,
Br. Leghorn Specialist. **Connersville, Ind.**

IF YOU WANT.
B. P. Rocks, S-c. Brown Leghorns or S-c. White Leghorns, from the leading strains in this country, after Sept. 1st, write me. I will have hundreds of them for sale. Also for Lambert's Death to Lice.
GEO. H. BIE,
Box 100, Station A., Racine, Wis.

R. B. KINNETT,
—BREEDER OF—
B. P. Rocks, S-c. B. Leghorns and Buff Cochins.
Central Illinois Poultry Show, 1898, B. N. Pierce, judge: Br. Leghorns—1st and 3d ckl., scores 94, 92½; 1st, 2d and 3d hen, scores 94, 94, 93; 1st, 2d and 3d pullet, scores 94, 94, 94; 1st and 2d breeding pen, scores 188, 185¾. B. P. Rocks, 2d hen, 91½. Buff Cochins, 1st hen 92½. Stock for sale. Eggs $2.50 per 13. ***Chapin, Ill.***

GOLDEN WYANDOTTES, Exclusively.
"The beauty bred." All stock of high merit. Product of our 1898 matings finer than ever. At Illinois State Show 1898 won 1st cockerel, 2d cock, 1st and 3d hen, 3d pullet and 2d pen. At Springfield, Ill., Jan. 1899 won every first prize in the class, including 1st, 3d and 4th pullet. Some choice cockerels for sale; no more females to offer until September. Will furnish settings from three grand matings after March 1 at $2.50 pr. 15.
C. P. NELSON, (Prairie View Farm) **Danville, Ill.**

BUFF.
Rocks, Wyandottes, Cochins, Cochin Bantams and White P. Rocks. Buffs score well up in the nineties and White Rocks from 92 to 95. Eggs, $2 per 13; $3.50 per 30. Also choice pedigreed Collie pups for sale at a bargain. Satisfaction to all. Address, with stamp for business,
A. F. ACKLEY, Box 447, Woodstock, Ill.

FREE---My Vest-Pocket Poultry Book,
Eaton's Poultry Pills
make healthy fowls.
My Buff Leghorns are Beauties.
Eggs only $1.50 per sitting.
W. H. Eaton, West End Poultry Yards, **Jackson, Mich.**
Jackson Poultry Show, Dec. 18 to 22, 1899. I. K. Felch, Judge.

the coop often, keep things clean and dry, keep the grass in the runs short, keep drinking water shaded, and clean the dishes every day. Do this well and every chick will live—barring some accident.

H. H. Fike, Morgan Park, Ill.—

If your chicks do not have fine range, don't let more than 25 to a yard to avoid overcrowding. Have plenty fine grit for them. Give them beef meal once a day in their mash. When they have no grass plot don't forget to give them a few clover sods each morning, and spade up a patch once or twice a week, so as to keep them at work. Keep a keen watch for lice at all times.

H. D. Page, Ira, N. Y.—

One must like poultry in order to give them the care they need. Too much care and attention cannot be given to them. Feed regular and for best results. Study their nature, it is a study by itself. Nothing but the best should be good enough for the fancier in breeding and mating for best results.

D. D. Shirley, Allerton, Iowa—

This is the season of the year to look well to the capon part of the poultry business. Have the birds desired to be matured as capons gelded now in proper season. The prices of this class of poultry last winter, 13 to 17 cents per pound, should convince anyone of their expediency of this venture. The poultry people are interested in this matter, and interest is growing.

L. C. Norton, Mechanicville, N. Y.—

I want to give the Lt. Brahmas just a little "histe," though they don't "need it in their business" it won't hurt them. I have a pen, consisting of 12 very late hatched "98" pullets and a yearling male. They were slow to get started, but all went at the laying business at once and to date, June 15, have averaged 9 eggs per day (since early in March) and but one hen has shown a sign of broodiness, and one day in the "pen" changed her mind, and she again went into the egg business; fair, for Asiatics, is it not?

Cleveland Poultry Co., Plattsburg, N. Y.—

By putting a dust bath in a sunny place in your pens in the winter you will get rid of that *dreadful scourge*, the *louse* and you will have thrifty fowls and winter eggs. This dust can be had for $2 a half ton.

Ideal Poultry Farm, Walter Cox, Proprietor, Washington, N. J.—

Have you been successful in the poultry business in the past? If not, devise some good record nest box and breed from only such fowls as will produce good show specimens, and at the same time an average egg yield of not less than 175 to 200 per annum. Show birds bred from a utility standpoint are the fowls of the 19th century. Those not having them will not be in it. For layers, as well as show specimens, the record nest box tells the story.

Frank Heck, New Albany, Ind.—

This is the day and age of specialty clubs. The poultry press is more generally beginning to recognize the value of these clubs and the largest and most influential poultry associations are offering special inducements to secure the meetings. During the past few months there has been talk of organizing clubs for several standard breeds that are not thus represented. Talk will not go far

Reliable Breeders' Directory
OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.
C. H. C. Anderson, Carlinville, Ill.
John H. Ryan, L. B. 195 Monticello, Ill.
A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minorcas.
H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.
C. H. C. Anderson, Carlinville, Ill.
E. E. Paris, Washington, Ill.
Chas. L. Gierhart, Tiffin, O.
(E. B. Thompson strain.)

R-c. B. Leghorns.
W. C. Jackson, So. Bend, Ind. 2-1

White Wonders.
J. M. Culver, Peterboro, N. H.

B. B. R. Games.
J. C. Pratt, Agent,
Residence and Yards, La Grange, Ill.
Office, U. S. Sub Treasury, Chicago, Ill.

Houdans.
John M. Wise, Freeport, Ill. 4-99-1yr

Japanese Silky.
Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.
S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.
S. D. Mandeville, Sidney, Ill.

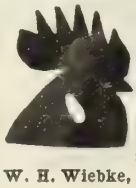
Indian Runner Ducks.
Ber'd McCaffrey, Steubenville, O. 9-98-1y

WHITE PLYMOUTH ROCKS,
Embden Geese.
Fine cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.
TILLMAN EASLEY,
Box E, Newmarket, Ind.

Houdans, White Wyandottes,
Pekin Ducks.
Large, vigorous, prolific. This season's breeders, among which are many fine exhibition birds, for sale very low to make room for young stock.
MRS. G. A. NORRIS,
Lebanon, Maine.

I Want to Sell....
Four Partridge Cochin hens,
One Golden Wyandotte cock,
Will sell cheap if taken at once.
Write for prices.
H. A. TOWNE,
Sac City, Iowa.

Do You Want the Best?
Can spare a few sittings of eggs from two choice pens of
Barred Plymouth Rocks,
containing all our prize winners. Have shown pullets scoring to 93½ and cockerels to 93. Eggs $2.50 per 13; $5 per 30. A good hatch guaranteed.
MYER BROS., Malden, Ill.



S-c. BR. LEGHORNS,
S-c. BL. MINORCAS.
I won 7 firsts, 2 seconds, 2 thirds at Cleveland and Washington C. H., O. Eggs $1.50 per sitting.
W. H. Wiebke, 266 Beaver ave, Ft. Wayne, Ind

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

A Peerless Food for Chicks

Sold only in Sealed and Branded Sacks.

American Poultry Food is a food—not a condition powder. It is a scientifically prepared, ready-mixed, daily ration.

Do You Want Eggs?
Feed American Poultry Food.

Do You Want Quick Growth?
Feed American Poultry Food.

Do You Want Show Birds?
Feed American Poultry Food.

If you are Raising Chicks for Market, there is no food that will force them so fast and produce such all-around development and perfect quality as

AMERICAN POULTRY FOOD

A MORNING MASH.

HOW TO MAKE CAKE FOR CHICKS.

Thoroughly mix three pints of American Poultry Food, one pint of clover meal, a third of a teaspoonful of salt, and five teaspoonfuls of baking powder: wet with water or milk to a moderately stiff batter and thoroughly bake in a slow oven; the inside of the cake will serve as a mash, and the outside can be used in place of hard grain.

Practical Poultry Feeding, a little book covering a wide range of subjects of vital interest to Poultrymen, will be sent you free, post paid, on request.
Address, **SCIENCE DEPARTMENT,**

THE AMERICAN CEREAL CO., 1353 Monadnock Bldg. CHICAGO, ILL.

Adirondack **BLACK MINORCAS.** Exclusively.

My Minorcas have a show record at **MADISON SQUARE GARDEN**, and elsewhere, which is proof of high quality. They are also bred for layers. **IT IS NOT TOO EARLY TO PLACE YOUR ORDER** for **EGGS** from my best prize matings, **BRED IN LINE**, at $3 for 13; $5 for 26; or $10 for 65 **EGGS**. My Minorcas are noted for size, type and color. Mention A. P. J. and get circular.

J. H. DOANE, Lock Box D, Gouverneur, N. Y.

FERRIS & ZINK, Props. **OAK LEAF STOCK FARM,** **New Albany, Ind.,**

——BREED PRIZE WINNING——

ROSE-COMB BROWN LEGHORNS, Exclusively.

Eggs from 1st prize winners $1.50 per 13, straight. Satisfaction guaranteed.

toward accomplishing the end. The best recipe for a starter is a few dollars' worth of stamps, some stationery, 15 or 20 copies of different poultry journals and a few days' work. But the start is easy compared to what comes afterward.

B. F. Parsons, Edwardsburg, Mich.—

Parties writing to advertisers should be more careful in giving their address. I have received a great many letters and postal cards this season with no means of knowing where they originated except by the postmark and in a number of instances this could not be deciphered. So the breeder is blamed for not answering correspondence. Write your name and address plainly.

C. M. Davidson, Chicago Lawn, Ill.—

Note in May issue that Dr. Sanborn advises the use of quinine as a cure for leg-weakness. The few times I have had occasion to treat this trouble, have found nux-vomica, of 3 x strength, a sure cure. Give three pellets night and morning. If a severe case, give three doses per day. Young birds doing fine in spite of continued wet weather. Will have a lot of good ones to offer the trade for the fall and winter shows.

Nethaway & Miller, Wahoo, Neb.—

We wish to say in your "A Little of Everything" column that the Lice Killing Evaporating Nest Eggs manufactured in this city are the only remedy on the market that absolutely keeps the setting hen free from vermin and will last for one year in the coops. Will be used by every one in two years.

W. A. Doolittle, Sabetha, Kan.—

I find that there is nothing that equals Neats Foot oil for greasing the legs of birds to keep them smooth and free from scale. A few applications will cure scaly legs. It will also give them a fine appearance for the show room. Millet seed is one of the best foods for young and growing chicks.

Thos. F. Rigg, Iowa Falls, Ia.—

I advise all intending purchasers of stock this fall to place their orders early. Breeders must of necessity this season refuse lots of orders. Few of the breeders have many extra early chicks. These chicks will command extra good prices. The buyer who waits until late in fall or spring will suffer.

Page Woven Wire Fence Co., Adrian, Mich.—

Please caution your readers against sending to us for fine wire cloth or chicken netting. We do not make them. Page Poultry Fence weighs over 10 pounds to the rod, and is a strong, substantial fence. A runaway team would not go through it.

Sprague Commission Co., 218 South Water st., Chicago—

Now is the time poultry breeders should look out for lice and mites. If your chickens are sick examine them and you will find they have lice. Pike's Lice Destroyer will kill lice and mites, warranted to give satisfaction or your money refunded.

N. Schweinfurth, Jackson, Mich.—

The important time of the season is now upon us. Much care is needed to keep the young chick growing. The greatest drawback or hindrance to the growth of chicks are the little gray back (lice). Common road dust about one inch deep in the brood coop is sure death to this chick destroyer, and should be

23 Years a Breeder

....of Prize Winning....

B. P. ROCKS.

A few cockerels and pullets to sell. Eggs from nine grand matings at $2 to $4 per 13. Circular free. Mention this journal.

JOE FARMER. Flushing, Ohio.

A NEW CAPON TOOL

THE TRIUMPH.

The "Slip Problem" Solved.

Set of Six Pieces, in neat box, $3.00 Postpaid. Send stamp for Illustrated Catalogue.

Allerton Caponizer Mfg. Co., Allerton, Ia.

EMPIRE POULTRY YARDS.

Lt. Brahmas
White Rocks
W. Minorcas

A Great Trio.

2d Brahma pullet at Troy, N. Y.; 2d breeding pen Rocks, Troy, N. Y.; 2d White Minorca ckl. at Boston, '99. All pens contain high scoring birds. Brahma eggs. $3 per 13; Rock and Minorca $2 per 13. **Mechanicsville, N. Y.**

THE ONLY ONE

Pike's Lice Destroyer is the only lice killer that is sold on a guarantee to kill lice and mites or money refunded. It is no trouble to use it as the liquid is sprinkled on the roosts and kills the vermin while the poultry sleeps.

Pike's Lice Destroyer, per gallon can	$ .75
Crushed Oyster Shells, per 100 lb. bag	.75
Mica Crystal Grit, per 100 lb. bag	.75
Ground Bone, per 100 lb. bag	2.00

Much lower prices for larger quantities. Agents wanted. Send for descriptive circulars.

Ship us Your **POULTRY AND EGGS**

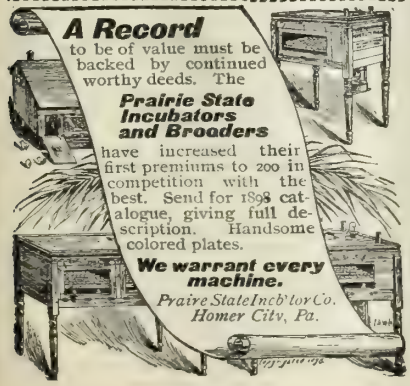
SPRAGUE COMMISSION CO.,

218 South Water St., Chicago.

B. B. RED GAMES and GAME BANTAMS.

With 25 years' experience we breed and sell birds that win. We also breed the best quality of Pit Games.

E. R. SPAULDING, JAFFREY N. H.



cleaned and replenished once a week. Keep the brood coop sweet by using a little air slacked lime. We have tried it and know of what we speak.

Frank W. McKenzie, Concord, Mich.—

If writers and editors of the poultry press could instill more firmly into the mind of the average poultry keeper the importance of keeping in subjection the hen louse at least 25 per cent more profit would be derived from poultry in America, if not 50 per cent. It is what spoils our profits, our show birds, our breeding birds and a half of the chicks. It is said, "I never had a louse on the place," by many a poultry keeper, yet a thorough inspection would find an army 500,000 strong.

A. F. Cooper, Homer City, Pa.—

The season for hatching with incubator is about over. Clean up your machine before putting it away. Clean the burner, remove the wick, take off the regulator, pack everything in the egg chamber, close up the ventilator, stop up ventilator tubes, cover the machine up to keep off the dirt, and by next season when you want to hatch again you have a new machine.

G. C. Flegel, Westville, Ind.—

This is the first year I have used brooders exclusively. All chicks are taken from hens soon as hatched and placed in brooders. The result has been a smaller percentage lost and better growth. The result of the brooder with me is three-pound chicks at 12 weeks old and no forcing process used, only natural growth.

Frank Heck, Secy.-Treas., New Albany, Ind.—

Each catalogue sent out by the American White Plymouth Rock Club represents a cost to the club of nearly 10 cents, and more than 2,500 of them have been distributed. All amateurs who are in doubt as to which variety of fowls to breed and all breeders who contemplate changing breeds or adopting a new one, should not fail to get a copy of this book. It is replete with valuable information and is sent free to all applicants. The addition of 3,000 is nearly exhausted. This demand for literature concerning the White Rock is certainly evidence of its sterling worth and popularity.

While Plymouth Rock fowls possess in the greatest degree all the good qualities that contribute toward the make-up of a perfect chicken, as regards beauty, eggs and meat. The supply in the hands of poultrymen has never yet equaled the demand.

W. A. Hoyt, Whitewater, Wis.—

Put down my vote for comparison judging. No man or set of men can ever yet judge and make a success of judging by the rule of three as applied in the decimal score card. Let the judge decide with the birds *side by side* and tell his reason if asked to do so.

Fred Keith & Son, Lansing, Mich.—

Feeding young stock.—The first three months of chicken life is what counts and I have found from long experience that bran and feed (corn and oats ground) equal parts by measure with 10 per cent of meat or blood meal and fine oyster shells and a little salt moistened with hot water covered and allowed to stand for a short time, makes the ideal breakfast. Cracked wheat for noon and cracked corn for night. Use

500 Fine Breeders for Sale from our Yards.

Bronze Turkeys, Barred and White Plymouth Rocks, White and Silver Wyandottes, Brown and White Leghorns.

FROM 40 SELECTED BREEDING PENS.

Large, Vigorous, Finely Marked. Sure to Improve your Stock. 25 Years' Experience in Mating and Breeding.

Eggs for Sale at all Times. Pairs, Trios and Pens Mated for Best Results. Valuable ILLUSTRATED CIRCULAR Showing Model Yards, Prices, Plans for Poultry Houses and Yards Sent Free. Jersey Cattle, of the highest breeding for sale.

"MISS COLUMBIA." Weight 32 Lbs. at 5 mos.

Address F. M. MUNCER, De Kalb, Illinois.

ROSE COMB BROWN LEGHORNS

See my record for past three years at Chicago. Chicago 1899, 4 firsts, 1 second, 2 thirds, 1 fourth, 1 fifth. Chicago 1898, 4 firsts, 2 seconds, 1 third, 2 fifths. Chicago 1897, 1 first, 1 second, 1 third, 1 fifth. Some choice cockerels for sale from $2 to $5. Eggs $1.50 for 13; $2.50 for 26.

C. J. LANCASTER, Maywood Cook Co., Ill.

Silver Laced Wyandottes

and Buff Leghorns.

For May and June I will sell eggs from my best pens at $1 per 13. Wyandottes are 90 to 93½ hens with a 92½ cock, a fine bird with fine laced wing-bar. Buffs are pure buff pullets mated to Mark Hanna, sire of 1st prize ckl. at Omaha. Order QUICK.

A. A. BISBEE, Hartley, Iowa.

Poultry for Profit, Pleasure or Show.

I have them as big as they grow, all breeds, for all purposes; rare birds a specialty; Turkeys, Geese, Ducks, Guineas, Peafowls, Pheasants, Pigeons and pet stock; Flemish, Giant and Belgan Hares; Jersey Cattle, Berkshire and Yorkshire Swine, Shropshire Sheep. Satisfaction guaranteed. Prices reasonable. Eggs at all times very low. Mention JOURNAL.

W. A. HOYT, Whitewater, Wis.

Black Langshans, White Rocks,

and Belgian Hares.

A fine lot of young stock will be ready for the early shows.

A. S. PARSON,
Garden City, Kas.

The Hen's Friend.

The Webster & Hannum Bone Cutter cuts bone, meat and gristle in just the form fowls like it best, and in the form they need it for egg production.

It is the lightest running bone cutter on the market, and requires but one hand to operate, being absolutely self-feeding and regulating. *Received only award at World's Fair, Chicago.*

We also make Grit Crushers and Clover Cutters Send for *free* booklet.

E. C. STEARNS & CO., Box 55, Syracuse, N. Y

Two For $1

We will send

Farm-Poultry

and

American Poultry Journal,

both one year for $1. The regular price of American Poultry Journal is 50 cents and Farm-Poultry $1 and you save money by sending us your subscription.

American Poultry Journal, Chicago, Ill. U. S. A.

White Wyandottes--Pit Games.

We breed Duston and Knapp Wyandottes and Graves, Grist and Rossiter strains of steel tested Games. Eggs during June and July $1 per 13. Eggs shipped from Chicago. A few head of this year's breeders for sale.

BROWNE & MANN, 428 N. 53d st., Austin, Ill.

BUFF ROCKS and BUFF COCHINS.

Up-to-date. Prize winners. Breeders score 90 to 95. During the remainder of season will sell eggs at half price, $1 per 15.

J. C. BROWN, LOCK BOX 17, CAMPBELLSBURG, IND.

EGGS from my "Golden Rod" BUFF ROCKS

Half Price the balance of the season.

100 CHOICE BREEDERS for sale at reasonable prices. Circular free.

W. C. DENNY, BOX J., ROCHESTER, N. Y.

WHITE PLYMOUTH ROCKS THAT WIN.

They are better than ever. A grand lot of white youngsters coming on. It's quality, not quantity with me. When you are ready write me. A few choice breeding hens for sale at $2 each.

R. M. GARD, Box A, Frankfort, Ind.

MITTENDORFF'S BUFF PLYM. ROCKS

Closing Out Sale

All of my prize winners and Feb., Mar., Apr. and May chicks. Write at once for bargains.

L. W. MITTENDORFF,

Lincoln, Ill.

A Popular Combination.

We will send you AMERICAN POULTRY JOURNAL, one year, and Geer's Poultry Book,

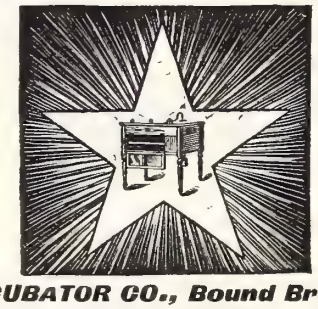
"The Chicken Business, How to Make it Pay,"

post-paid for 60 cents. Try it.

AMERICAN POULTRY JOURNAL, 325 Dearborn st., Chicago, Ill.

The Star Incubator Never Fails

nor disappoints. No guessing in its operation. Catalogue Free.



Simple, Accurate and no Moisture to be Supplied.

STAR INCUBATOR CO., Bound Brook, N. J.

Boston Show, '99.

White Wyandotte class LARGEST and BEST ever shown in the world (233 birds).

Duston Again Wins the Lion's Share

26 Regular and Special Prizes.

including 1st and 2d cock; 1st cockerel; 2d pullet; 3d hen, &c. Special for best cock and 4 hens. best 5 cockerels, best cockerel and 4 pullets. SILVER CUP for Largest and Best Display, and others.

EGGS **—$3 per sitting; 4 sittings $10, or $15 per 100.**

Those wanting only the best should write me.

ARTHUR G. DUSTON, Box 1020, Marlboro, Mass.

the above and keep chicks free from lice and you can raise everyone that is hatched. Such has been my experience.

H. P. Clarke, Indianapolis, Ind.—

Quite a number of our American volunteers returning from Cuba have brought game fowls home with them. These birds are little fellows, but nearly all show characteristics of the Trans-Atlantic blood, which was introduced in Cuba some years ago. These Trans-Atlantic crosses are considered the best fighting cocks on the island. As bred by the Cuban cockers they range in weight between three and four pounds, seldom heavier.

F. S. Burch & Co., 178 Michigan st., Chicago—

Are placing a new and novel poultry food on the market known as "Granulated Egg Shells." They claim it as good for fowls as cut bone and cheaper, as the shells are bulkier. Burch & Co. get these shells from an egg condensing factory. They are the genuine shells from hen eggs.

Gem Incubator Co., Trotwood, O.—

If farmers who have from two to five hundred dollars invested in cows, and the same amount in stables, and who are now selling butter at 7 to 12 cents per pound, would invest the same amount in poultry and poultry appliances, and spend the same amount of time and feed, the same quantity of feed that they give their cows, their bank account would double by the change.

S. J. Sayler, New Market, Ind.—

Millet seed fed to young chickens is a valuable feed. They not only relish it and grow rapidly when fed upon it, but it is almost a sure preventive for bowel complaint, which is so destructive to young chickens when once attacked.

Horace R. Burt, Austin, Tex.—

It is best to pay a small boy $1 per week to clean up your chicken house and yard everyday. Clean, sweet smelling houses and yards insure lots of eggs and healthy chickens.

Eggs From Prize Winners.

White Holland Turkey eggs $2 per 11. White P. Rock, Golden S. Bantam and White Guinea eggs $1.25 per 13; $2 per 30.

A. Z. COPELAND, Potomac, Ill.

Poultry Supplies.

Bone Meal, Oyster Shells, Lime Stone Grit, Ground Charcoal, Beef Scraps, Broken Crackers, Caponizing Sets, Poultry Markers, Drinking Fountains, Lambert's Death to Lice, GREEN BONE CUTTERS, Poultry Wire Netting, Feed Mills, &c. Send for reduced price list.

J. H. SLACK, Mfr. Poultry Supplies, Box 210, Bloomsbury, N. J.

Blood Will Tell!

This is to a greater extent true of poultry than any other kind of live stock. If you seek a permanent and **profitable poultry business** you must start right. **BUY ONLY THE BEST.**

We Sell Blue Blood

of the following varieties:

B. Langshans, B. P. Rocks, Light Brahmas, S. C. Brown Leghorns, Partridge Cochins and Pekin Ducks.

We have for sale a number of select females of each of the above breeds which we are now offering at very reasonable prices. During the summer season ***we will sell eggs for hatching at greatly reduced prices.***

Write for what you want; we can supply you and satisfy you in every particular.

CONTINENTAL POULTRY FARM Box A, Belleville, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Partridge Cochins

with exhibition shape, feathering and penciling, line bred for 14 years, if you buy of

GEO. B. GOTT, Ionia, Mich.

At Toledo Show, Butterfield, judge; 75 birds in class, my White Rocks won, 1st cock, 1st and 2d hen, 2d (tied 1st) and 4th cockerel, 2d and 5th pullet, 1st pen; 10 birds entered; 10 premiums won. Eggs $2 per 13. Stock for sale.

F. J. PHELPS, Bucyrus, Ohio.

12 YEARS breeding S-c. Brown Leghorns. If you want to win in the show room and have the best layers on earth send me an order for eggs at $1.25 for 15, or 30 for $2. Stock at a bargain. Send for circular.

C. F. LANG, LaCrosse, Wis.

Barred Ply. Rock Eggs.

For the remainder of the breeding season I will sell 15 eggs for $1. Pekin Duck eggs 12 for 50c. All from good first-class stock.

H. ADOLPH, Ironton, Iron Co., Mo.

WHITE WYANDOTTES,

and Nothing Else.

Eggs from my best pens 13 for $1.50. Satisfaction guaranteed. My stock is large, vigorous and white. No better any place.

G. C. FLEGEL, Westville, Ind.

THE IMPROVED **VICTOR INCUBATOR**

Hatches Chickens by Steam Absolutely **self-regulating.** The simplest, most reliable, and cheapest first-class Hatcher in the market. Circulars free.

Catalogue 4 cents.

GEO. ERTEL CO., Quincy, Ill.

1884 ◆◆◆◆ **1899**

Skinner's Cochins

Thirteen Premiums on Buff and Partridge against the strongest competition in the world.

I also breed the choicest Light Brahmas, B. P. Rocks, Bronze Turkeys. The sharpest Grit, 50 cents per sack of 150 lbs.; 500 lbs for $1. Eggs $1 to $5. Send for Catalogue showing 20 birds by Photo. ***O. E. SKINNER, Columbus, Kas.***

Poultry Supplies

in greatest variety and any quantity. We handle everything that tends to make the poultry business pleasant and profitable. **Bone Cutters, Incubators, Crushed Oyster Shells, Grit, Meat Meals, Beef Scrap, Bone, Drinking Fountains, Poultry Netting, Condition Powder, etc.**

CUT CLOVER HAY ready for use—the great winter green food, $1.75 per 100 lb. sack. Send for illustrated catalogue **FREE** to all inquirers.

HARVEY SEED CO., 30 Ellicott Street, Buffalo, N. Y.

Ouachita Valley Poultry Farm.

LARGEST IN THE SOUTH.

We have beyond any doubt the grandest lot of young birds ever raised for exhibition and breeding purposes. We never fail to win in the show room, winning last season over 287 prizes on our specialties.

Light Brahmas, C. I. Games,
Barred Plymouth Rocks,
Wild & Bronze Turkeys,
Buff Cochins, S. L. Wyandottes,
Brownie Pit Games,
Pekin Ducks.

Just a trial order will convince any one as to our square dealing and the high quality of our stock. Guaranteed to please. Eggs $3. Stock from $2 up.

G. W. BROWN, Prop.,
Camden, Ark.

Send for a sample copy of the Cotton Belt Journal.

Magazines.

"The June number of the Pacific Poultryman, published at Tacoma, Washington, will be a Women's Number. All who desire to see what the ladies can do when they have everything to themselves should subscribe at once. The subscription price is fifty cents per year. No samples of the Women's Number will be sent out, but all subscribers can get one."

—o—

"Beginning with February last Poultry Culture has been running an article on artificial hatching of duck eggs by Mr. H. E. Moss, who gives his experience, which is an unequalled record on hatching duck eggs. All poultrymen, especially duck raisers, should know of this record. Subscription price is 50 cents per year, published the first of each month at Kansas City, Mo., U. S. A."

—o—

The July issue of Harper's Magazine is one of the best fiction numbers of the summer, containing no less than six entertaining short stories by such writers as I. Zangwill, Frederic Remington, Thomas A. Janvier, and Margaret Sutton Briscoe. Mr. Zangwill's story, "Transitional," is a pathetic story that tells how a little Jewess renounced her Christian lover for her father's sake; and Mr. Janvier, under the title "The Wrath of the Zuyder Zee," tells with intense, tragic power a story of Holland. The July number contains also a complete account of the Australian cowboy, his life and customs. The author of this article shows that the cattle-man of Australia is very similar to our own cow-puncher.

—o—

In Harper's Weekly are now appearing four of the most valuable series of special articles of the year. Under the title "An American Sovereign," Julian Ralph writes of India, and of Lord and Lady Curzon in their new empire. "Hawaiian America," by Caspar Whitney, is a series that is invaluable to every American who is interested in Hawaii, in a commercial or industrial way. Mr. Franklin Matthews's description of "The Reconstruction of Cuba" is admirably clear and interesting. The same may be said of the work of John F. Bass, special correspondent for the Weekly in the Philippines. Another very interesting feature is the clever serial by Robert W. Chambers, "The Conspirators," in which the present Emperor of Germany, whom Mr. Chambers styles William the Sudden, comes in for much good-natured ridicule.

—o—

The practical value of Harper's Bazar to the American woman cannot be better illustrated than by a mention of the valuable series of articles appearing at present. "Home Talks on Millinery," by Mrs. James M. Bird, and "Home Dress-making," by Julia K. McDougall, are of especial practical value, and will be very helpful to every woman who may on occasion desire to trim a bonnet or make a gown for herself. The summer numbers of the Bazar are also notable for a great variety of interesting short stories.

—o—

In 1894 General Frederick Funston, the famous hero of the Twentieth Kansas Volunteer Infantry, made a journey of several hundred miles to visit the whalers on the ice-floes about Herschel Island. The story of his experience, as he tells it in the July number of Harper's Round Table, shows that the doughty Western colonel, besides being a good fighter, is a very entertaining writer. The July number contains also five first-class short stories, and several special articles of great practical value to the average American boy. Canoes and Canoeing, by J. Macdonald Oxley, is a timely article on a sport that is growing more popular every day. This article gives many valuable hints on camping and travelling.

BARRED P. ROCKS

Exclusively.

My stock is a combination of Bradley Bros. and E. B. Thompson strains, grand in size, color and shape. Also two pens headed by prize-winning cockerels of that magnificent Knoxdale strain. Every bird in my yard is a grand individual and of the best blood in the world. Eggs, $2.50 per 15 Stock sold on approval.

L. H. EDWARDS, Lafayette, Ind.

Barred Plymouth Rocks,

of Montauk Strain.

Equal to the best in the land. Stock for the fall shows at reasonable prices. Address

R. W. DURYEA,
Great River, L. I.

IT IS A FACT that June and July hatched Black Minorcas are the ***Ribbon Takers*** at the January shows. We now offer eggs from our *Northup strain* (exclusively) Black Minorcas at $1 per 13; $2.50 per 45. **25 FINE BREEDING HENS, $1.25 EACH.** Reg. Scottish Terrier pups, $4 and up.

CORN BELT MINORCA YARDS,
A. A. Christie, Mgr. Smithland, Iowa.

For Sale.

B. B. RED GAME BANTAMS

THAT ARE WINNERS.

Five hens scoring 94 to 95¾, by Hewes.

SIGLER & LAYTON,
Leon, Iowa.

Our Yard

is full of fine chicks that we will enter orders for. The first come gets the best. Brown and White Leghorns, White Wyandottes, B. P. Rocks, B. B. R. Games.

F. E. DeMUTH, Wheaton, Ill.

Correspondence solicited.

DEWEY'S

BARRED P. ROCKS—Winners at S. Bend, Ind. Detroit, Mich. '99
BUFF P. ROCKS—Winners at Mich. State Fair, '98.
BLACK MINORCAS—Winners at S. Bend and Detroit, '99.

June eggs $1.50 per 15.

M. BLISS DEWEY, Concord, Mich.

Stay White Rox.

Reduction in price of eggs after June 1st to 75c per 13, or 26 for $1.25.

GEO. OWEN, Box 32, Wray, Col.

Chicago Winners.

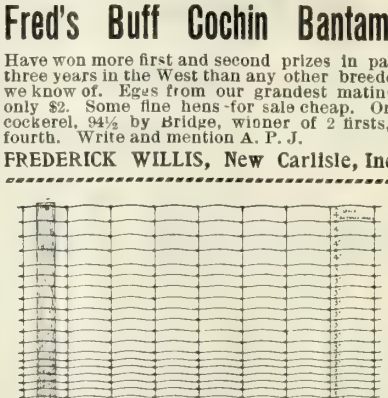
TIBBETT'S BRARED ROCKS proved a surprise party at the joint show, Chicago, Jan. 9-14, '99, where in competition with the "best in the country" my Rocks won 2d on cock, 91¾, 5th cockerel, 93 (Hewes); 4th and 5th pullets, 92½, 92½ (Russell) and 2d breeding pen, 185¼. Circular free. Mention A. P. J.

H. TIBBETTS, Neponset, Ill.

Fred's Buff Cochin Bantams

Have won more first and second prizes in past three years in the West than any other breeder we know of. Eggs from our grandest matings only $2. Some fine hens for sale cheap. One cockerel, 94½ by Bridge, winner of 2 firsts, 1 fourth. Write and mention A. P. J.

FREDERICK WILLIS, New Carlisle, Ind.



THERE'S LUCK IN ODD NUMBERS.

Page Poultry Fence has 23 large horizontal wires and you're lucky if you buy it because it will outlast a dozen of the best poultry nettings.

Page Woven Wire Fenco Co., Adrian, Mich.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Bargains.

For want of room I shall sell at a bargain some of my breeders in Barred Plymouth Rocks, with score cards by Felch. Prices right. Address

G. N. KERSTEN, Chilton, Wis.

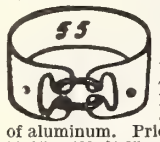
Rose-comb Brown Leghorns.

Prize winners at Chicago, 1898-99.

I have them, and am now closing out my this year's breeders at a bargain. Here's a chance for somebody. Fine birds at a low price.

GEO. STAHMER,
166 Lathrop ave., Oak Park, Ill.
Member of American R-c. Brown Leghorn Club.

SMILE WITH US. WE ARE GOING to make the greatest offer you have heard of in many a day. Of course you have heard of us but we want you to know us better, and to introduce the merits of THE EASTERN FARMER as a monthly poultry magazine, we will send a trial subscription to you **6 MONTHS FOR 10c** or for 50c will publish a six-line classified ad two months and send you the paper one year free. THE EASTERN FARMER, STAMFORD, CONN. F. J. Billard, Am. Black Minorca Club, Editor. 7-3



Peerless Leg Bands. Poultry Printing.

Circulars and sample leg band free. Get my prices on *up-to-date* printing "Peerless" Leg Bands *stay on* and *stay bright*. They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed.

B. F. Huntington, Platteville, Wis

POULTRY SUPPLIES,

	50 lbs.	100 lb.
Beef Meal	$1.00	$1.80
Concentrated Meal	1.00	1.80
Ground Beef Scraps,	1.00	1.80
Granulated Bone	1.00	1.80
Fine Ground Raw Bone Meal	1 00	1.80
Mica Crystal Grit		.75
Crushed Oyster Shells		.65

Broiler Teeth (for small chicks). Equal parts bone, grit and shell—50 lbs. 60c; 100 lbs. $1.10.

C. A. DAMON,* 2470 Monroe st., *Chicago.

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3½x5½ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x5⅜ in., at same price. ☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash. ☞No less than 100 of any one kind printed.

No samples sent to any one whatever.

JEFFIE R. HUDSON, HARDIN SPRINGS, KY.

(Mr. Hudson is perfectly reliable.—EDITOR.)

Eggs, Eggs, Eggs.

BANNER EGG FOOD and TONIC

is the greatest egg producer ever known.

We Sold Over 5000 1-lb. Cans in 1898.

It also helps the hens through the moulting period and starts them laying early in the fall, when eggs are scare and prices are high. Price, 25c per 1-lb. can; 5 cans $1. Small sample mailed free. Our immense 1899 illustrated catalogue mailed free if you mention you saw this ad in American Poultry Journal.

Excelsior Wire & Poultry Supply Co.,
28 Vesey st., New York City.
W. V. RUSS, Prop.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Questions and Answers

BOWEL TROUBLES.

Mrs. J. B. P., Mill City, Pa., writes: I would like to ask through your paper if there is any remedy for what seems to be a sort of cholera or loseness of the bowels in the little chicks when first hatched? Some of my flock thrive and others live only a few days and many of my neighbors have the same trouble.

Reply: If you had told us what you are feeding and how you are keeping your chicks it would have been easier to answer your question. Bowel trouble may arise from several causes but are usually brought on by improper feeding or lack of warmth. As some of your chicks do well, we conclude the feeding is all right and that the trouble is in the hens that are with the chicks. There is a great difference in hens. Some hens keep their broods warm and comfortable, and others run about in the wet and do not pay much attention to the little fellows. Then they get chilled and die of bowel troubles. Keep the hens shut up until the chicks are two or three weeks old and we think you will find an improvement. Do not feed any wet feed but instead give oat meal dry and be sure to furnish the chicks plenty of coarse sand to pick grit out of as they must have this to thrive.

MOPY CHICKS.

W. C., Tallahasse, Fla., writes: Would you please tell me why the chicks died in the shell after the eggs were pipped? My little chicks three weeks old are getting mopy and dying. Can you tell me what is the matter? Some of them have to be helped out of the shell and die after they are out.

Reply: We conclude that you are using an incubator. If so, the chicks died in the shell because you used too much moisture or because you opened the egg chamber too often after the eggs were pipped. In using an incubator moisture should not be put in until the fifteenth day for chicks and the twenty-first day for other fowl. When the chicks begin to pip the eggs, shut up the machine and keep it shut. Your chicks get mopy at three weeks because the weather is too hot for them and when their feathers begin to start out, the strain on their vitality is greater than they can live under. Poultry should be hatched very early in the year in Florida to thrive well. Little fowls do not do well in hot weather unless they have a start before it begins. A little chick that will thrive and grow rapidly when kept in a brooder that is kept at 90 degrees when the outside temperature ranges down to the freezing point, would die at the same age and with the same temperature outside. There is no more stimulating feed for small poultry than dried and ground beef scraps which can be bought of poultry supply houses.

A chick that cannot get out of the shell without help is not worth trying to save. We have helped hundreds out of the shell and doubt if a dozen of them ever lived to be a month old.

Give your chicks a shady place and feed on dry feed even if you must bake corn-bread and wheat bread for them. We buy steel cut oat meal at 3 cents a pound for our chicks and have lost half a dozen out of two hundred, and most of them died from being caught out in a sudden rain storm. Dry feed, plenty of bone meal, beef scraps and grit will save them if they are not too far gone.

WHITE ROCKS.

Are all Sold for this Season.

My pens are now mated and I am ready to sell you eggs from pure White P. Rocks. Eggs $1.50 per sitting or two sittings for $2.50.

W. M. JAMES,
Box 123. Alvin, Ill.

North Side Poultry Yards.

SILVER and BUFF WYANDOTTES.

No eggs. Stock for sale at all times. Agents for Spratt's Patent Poultry Food. Send for circular or write your wants.

A. & E. TARBOX,
Box A 5. Yorkville, Ill.

Roberts' Buff Rocks

are known wherever Buff Rocks are known, and what is better still, it's their merits that make them popular. Circular tells all about them.

Eggs reduced to $1 per sitting; 6 sittings $5.

R. W. ROBERTS, Box 4, Camroden, N. Y.

SILVER WYANDOTTES.

Remember they are quick growers and plenty of time yet to hatch December and January show winners all this month. Will fill orders for eggs very promptly. Price, $3 for 13, straight. Remember also that my Silver Wyandottes have the laced wing-bar and "open" centers in the back that one can see 30 feet away. Address

HENRY STEINMESCH,
Lincoln Trust Building. St. Louis, Mo.

Blue Barred Plymouth Rocks,

Bradley Bros. Strain.

Large and showy, well barred, fine in shape and color, and no brassiness; legs and beaks a nice orange color. They are as fine a flock as there is the West. I have bred them 2 years and have been very particular to breed them to the Standard. Eggs, $2.50 per 13. No circulars. Write for price.

LEVI McNETT, Woodstock, Ill.

Eggs Half Price

30 for $1.50.

Light Brahmas, B. P. Rocks, S-c. Brown Leghorns. This price for remainder of season only. Belgian Hares, three months old, $1.50 per pair.

GEO. O. ANDERSON,
Homer, Ind.

Here You Are!

The breeding season being over I am offering my S-c. Brown Leghorns at figures that will interest you. Must have the room for the young growing birds. Write your wants.

C. M. DAVIDSON, Chicago Lawn, Ill.

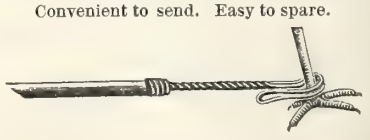
I Will Sell

500 head of choice breeding stock very low. If you want Buff Rocks, Cochins, Bantams or Leghorns you can save money by placing your order now. Have also a few choice exhibition birds at reasonable prices. Satisfaction guaranteed.

W. H. SCOVIL, Box 82, E. Lebanon, Maine.

20 Cents, Postpaid.

Convenient to send. Easy to spare.



Hanchett's Fowl Catcher—Patented.

Do not frighten and bruise your birds by the old method of catching. I will promptly return your money if you do not find this the *handiest tool on the premises*. Endorsed by editor A. P. J.

H. N. HANCHETT, Jackson, Mich.

P. S.—While you think of it put your hand in your pocket and see if you haven't the correct change.

WHITE LEGHORN ORIGIN.

Editor American Poultry Journal—

Will you please inform me in what country did the White Leghorn originate? W. L. P.

Groton, N. Y.

In regard to the origin of the White Leghorn, I can only recall early accounts which I used to read of them, which all establish the fact that the Leghorns are a variety of the "Spanish" or Mediterranean family—The Leghorns, Spanish, Minorcas, Anconas and Andulsians are usually classed as one family or coming from one head. Their most important family characteristics do not vary a great deal.

The Leghorns, as we know them, according to old writers, came from Italy, many of them from the city of Leghorn, which gave them their name.

The English obtained their White and Brown Leghorns from the Americans. L. Wright in his "Book of Poultry" classifies the Leghorns among the "*American Breeds of Poultry.*"

At what date the yellow leg and skin of the Leghorn became a fixed characteristic of the race has been an interesting question with me, as is the reason for this yellow color. We know that the skin and leg of all other Mediterranean varieties but the Leghorn possess the flesh color with dark leg, black or bluish in the dark plumaged races.

If any one has information pointing to the truth as to whether this yellow skin and leg came by an out-cross or by artificial selection, it would be eagerly read by all poultry students who desire to trace back the origin of the races of poultry. As far back as in the 50's writers describe the Leghorn as having yellow legs, and we know that much though not all of the Italian poultry (at the present day) which is shipped up into European countries, has this characteristic.

F. L. SEWELL.

New Troy, Mich.

EASTERN GAME WINNERS GO WEST.

This is to certify that I have this day sold to J. C. Pratt, Agt., La Grange, Ill., the B. B. R. Game cockerel, winner at New York 1899 of first prize, the $150 challenge cup for the best American bred cockerel or pullet, $10 cash for the best standard Game male, and $10 for the best B. B. R. cockerel. Also the B. B. R. cockerel third at New York and a cockerel full brother to the two winning birds, together with my recent importation. I consider this one of the strongest teams of B. B. R. Games in America today. Chas. T. Cornman.

Carlisle, Pa. (Adv.

In a recent letter from A. J. Silberstein he says that during the past season he was obliged to return a large number of orders for eggs because he found himself booked full early in the year. He has had fine success with hatching so far and looks for fine specimens from his matings. Those contemplating purchasing Hartnest Brahmas will perhaps be wise in getting their orders booked without delay and thus prevent the possibility of orders not being filed.

H. D. Page, of Ira, N. Y., makes a change in his ad this month, making a special premium offer on his S.-c. Black Minorcas.

WHITE . . . . .
WYANDOTTES
EXCLUSIVELY.

Eggs for sale, $2 for 15. Stock in season. Breeding from First Prize Cock at the Chicago Show. My stock is as good as the best. DANIEL PURNELL,
Geneva, Ill

Lake's Special Offer for July.

For 50 cts. We will send a half-gallon can of ***Lake's Lice Exterminator,*** which will rid your housesand birds clear of lice and mites in a few hours by painting the roosts, drop boards and nest boxes; and a half-pint bottle of ***Lake's Poultry Tonic,*** which prevents and cures bowel trouble, roup cholera and indigestion; it is also the greatest egg producer and conditioner for poultry known.

For 75 cts. We will send a one gallon can of ***Lake's Lice Exterminator*** and a half-pint bottle of ***Lake's Poultry Tonic.***

Send for a sample order and if suited take the agency in your vicinity. Address,

G. W. LAKE,
Gen. Manager.

LAKE REMEDY CO.,
St. Louis, Mo.

White Cochins | Black Langshans | Single-Combed Brown Leghorns
Barred Plymouth Rocks | Light Brahmas | Pekin Ducks
White Plymouth Rocks | Cornish Indian Games | Bronze Turkeys

Bred at Poplar Farm
Mahomet, Illinois.

Write R. D. Burnham, Champaign, Illinois, Sup't Poultry Exhibit of Champaign County Fair Association for premium list for 1899 exhibit.

ALL stock is farm raised from pens mated to secure best results. We do not have as many birds as some but every pen is carefully culled and nothing but the best are retained for breeders. All eggs will be carefully packed and safe arrival guaranteed. All inquiries should be addressed to

Edward Kuster, Sup't, Mahomet, Ills. **R. D. BURNHAM, Owner.** Champaign, Ills.

None Better, If as Good.

12 Bargains.

I have for sale **12 Buff Cochin Hens** that will ornament any show room and win a large share of the p iz s. The fact that they are of my noted **"GOLD DUST STRAIN"** will sell them, aside from the individu l merits of each bird. Remember, I only have twelve for sale and it will be necessary for you to write quickly if interested. Address

T. F. McGREW, 1267 Broadway, Room 7, New York City.

"THIS IS IT."

The Utility Farm of the Age.

Plainfield Poultry Farm Co., Plainfield, N. J.

THE HOME OF

Corby's S-c. Wh. Leghorns.

The great winter laying strain.

Hundreds of youngsters bred this year from our Madison Square winners. You order—we guarantee satisfaction.

Also breeders of White Wyandottes, White and Barred Plymouth Rocks, Pekin Ducks. Circular free.

S. B. CORBY, Mgr.

Buff P. Rocks, Sing e and Rose-comb Buff Leghorns; my own "ORANGE STRAIN exhibition and breeding birds now for sale at right prices. Write, L. B. HANNA, Columbus City, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

ADVERTISING NOTES.

Mr. Ralph H. Mathew, of Sabina, O., is offering his entire stock of Buff Cochins for sale, having decided to breed Buff Leghorns exclusively with which he has been so successful in the show room. This lot of Buff Cochins contains the 2nd cock at the late Pittsburg show and one of his sons. The cock bird is sired by an Oakland Farm bird. The lot also contains 1st 93 points on cockerel at Columbus and 21 hens and pullets scoring to 94½, a great many having solid buff wings.

D. J. Lambert, (Death to Lice,) Apponaug, R. I., writes: "On Monday morning May 22nd the U. S. Mail bag for this office was thrown from a passing express train, bounding back under its wheels. The contents of the mail was sadly mutilated and some of it was lost. While we have filled every order that we could find any trace of, whether we could find the remittance or not, we have received several complaints recently that point to missing letters mailed just before the accident. To these also have we sent the goods or articles requested. Of course it is impossible for us to know just how many or whose letters are yet missing. The object of this notice is to request advices from all who have failed to get a prompt reply to any communication that they may have sent us."

W. T. & S. J. Sayler, proprietors of Indian Creek Poultry and Stock Farm of New Market, Ind., have a change in their ad this month, in which they offer for sale to quick buyers a large number of Light Brahma, Buff and Partridge Cochin females at a very low price.

We wish to call the attention of our readers who wish to purchase fancy pigeons, that an excellent opportunity is offered in the advertisement of F. B. F. Rhodes, South Chicago, Ill., whose ad will be found in this isue.

Mr. Rhodes' loft contains some excellent specimens and we have no doubt but what excellent satisfaction will be given anyone who purchases from him. Mr. Rhodes is one of the directors of the National Fanciers' Association and takes a deep interest in all matters pertaining to poultry and pigeons and aims to have nothing but the best of stock in his lofts and yards. Look up his ad and give him a trial.

In a recent letter from J. H. Doane, of Gouveneur, N. Y., he has the following in regard to his Black Minorcas: I have more chicks out this season than I ever raised before, and have more good reports of successful hatches from my customers than in any previous year; in fact, reports of poor hatches are very few. Took off 4 hens the 20th, 3 hatched every egg, and the 4th one hatched all but two. Have sold more eggs to noted breeders than for all my experience as a Minorca breeder combined. Gratifying? Well, I think so. Your paper has given me some of my best orders.

Thomas H. Mills, of Port Huron, Mich., is one of A. P. J.'s oldest advertisers. He writes us that through lack of space for young stock he is compelled to sell all his fine breeding stock scoring from 90 to 93½. Many of these birds were winners in hardest competition and are grand breeders. He will sell at a price that will be an object to breeders to buy and hold over to the next breeding season.

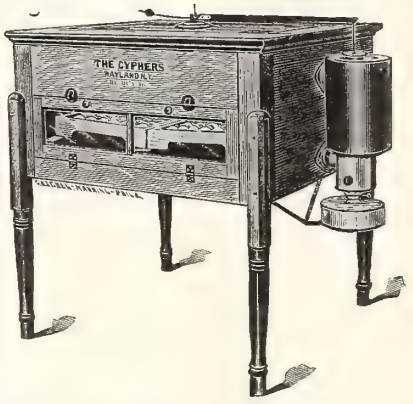
Eggs Sure to Hatch

—the kind that will produce **strong, vigorous chicks,** depend upon the vitality of the hen that lays them. She must not be fed on **heating, debilitating food.** Really the best thing for the breeding hen is our

PIONEER CLOVER MEAL.

It makes young chicks grow rapidly. Wonderful for broilers. Makes sweet, tender, high-flavored flesh. It is made from clean clover hay, cured by our own special process so as to preserve all the bright green color and the delicious aroma and essential oils. It is ground into the finest meal by our powerful and specially designed machinery. **No additions, no adulterations,** but **clean, pure, sweet and wholesome poultry food.** Then, too, it is quite cheap—only costs: 50 lbs. $1; 100 lbs. $2; 5 lbs. 25c. Use it this winter and get eggs when eggs are worth money. Sample and editorial indorsements **FREE.**

The Bennett & Millett Co., Box A, Gouverneur, N. Y.



The Cyphers.

Better and More Popular than Ever.

REQUIRES NO MOISTURE.

Send ten cents for our great treatise on the poultry industry. Nothing like it ever before issued. Also investigate the Cyphers Brooders, which are doing wonders for all users.

THE CYPHERS INCUBATOR CO.,
Box 4, Wayland, N. Y.

DON'T PAY A CENT

for an incubator of any kind until you have given it a thorough trial.

Some incubators were never intended to hatch chickens but are only made to sell.

We send you this **VON CULIN INCUBATOR ON TRIAL.**

After you have tested it to your satisfaction you pay for it. So easy to handle any child can run it. **Took First Prize at World's Fair and Medal at Nashville and Omaha Expositions.** We send the largest and most instructive catalogue published for 5 cents.

Plans for Brooders and Poultry Houses, **25c.** **VON CULIN INCUBATOR CO.** No. 2 Adams Street Delaware City, Del.

THE THREE ESSENTIALS.

"There are three things essential to raising good poultry: AMERICAN POULTRY JOURNAL, RELIABLE POULTRY JOURNAL and FARM-POULTRY. I would not miss a single issue. "GEORGE REEDER, Louisa, Ky.

The Three Grand Representatives of Modern Ideas in Poultrydom, ... For **$1.25**

American Poultry Journal, ...50.
Reliable Poultry Journal, ...50.
Farm-Poultry (semi-monthly) . $1.00.
(Regular Price) $2.00.

All three one full year for only $1.25 a year.

Address AMERICAN POULTRY JOURNAL, 325 Dearborn street, Chicago, Ill.

EMPIRE STRAIN WHITE PLY. ROCKS.

No Culls. Eggs and stock all the year.

B. P. Rocks, Buff Wyandottes, Buff Cochins.

Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

E. M. DURHAM, LaPlata, Mo.

BUFF ORPINGTON'S welcomed to America.

England's most popular fowl. Wonderful egg producer. Madison Square, N. Y., 1st pen, 3rd and 4th pullets. Boston, 1st cockerel, 1st pullet. Mt. Gretna, Pa., 1st cock, 1st hen, 1st cockerel, 1st pullet. Catalogue tell the others. Eggs from imported stock, $3.00 per 13, $6.00 per 30. White Wyandottes and Buff Rocks $1.50 per 15, $3.00 per 30. Stock for sale. Satisfaction guaranteed. Circular free.

C. E. VASS, Washington, N. J.

Welch's S-c. B. Leghorn. Prize Winners . . . Wherever Shown.

Celebrated Brace and Walling Strain.

Have bred them 7 years. None better. *Chicago Winner*, cockerel in 1898 to head my yards mated to pullets scoring not less than 93. As a cock he won 1st prize at Cent, Mich. show 1898, score 93½. Breeding stock for sale at reasonable prices. *Eggs $2 per sitting from pen No. 1; 2 for $3.50; 3 for $4.50* From other pens, *$1.50 per sitting; 3 for $3.50. Satisfaction guaranteed.*

J. C. WELCH, WEBB CITY, MO.

REV. JOHN HUGHES, Table Grove, Ill.

White Plymouth Rocks.

Also Barred Plymouth Rocks and Buff Cochins. Stock as good as the best—no exceptions.

Walnut Grove Poultry Yards

Barred Plymouth Rocks, Exclusively,

Seven breeding yards for 1899 composed of prize winning males and females. Male's score 91 to 93. Females 90 to 94½ by Shellaburger, Snyder and Pierce. 50 cockerels and 75 pullets. Good breeders for sale. Cards by authorized judges. New illustrated circular ready February 1st. Get one before placing your egg orders; free if you mention A. P. J. Satisfaction guaranteed.

O. L. KING, Walnut Grove, Ill.

GEER'S EGG PLANT.

1884 - EGGS! EGGS! - 1899

Choice S-c. Brown Leghorn and Barred Plymouth Rock eggs, $1.50 per 13. Fair reduction on large orders. Healthy fowls, hardy chicks, and satisfaction to customers is my endeavor. Egg Circular FREE.

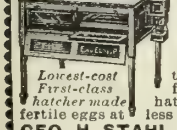
H. B. GEER, Nashville, Tenn.

"IDEAL" BONE CUTTERS WITH ROLLER BEARINGS. FREE CATALOGUE

INCUBATOR BUTTON

CHAPMAN MFG. CO. WEST UPTON, MASS.

No. 7. DRINKING FOUNTAIN GRAIN ROLLER BOX 813



Hatch CHICKENS

WITH THE EXCELSIOR INCUBATOR

Simple, Perfect, Self-regulating. Thousands in successful operation. Guaranteed to hatch a larger percentage of fertile eggs at less cost than any other Hatcher.

Lowest-cost First-class hatcher made

WITH THE Wooden Hen

Most efficient small incubator ever invented. Perfect in every detail. Just the thing for poultry raising on a small scale, 50 egg capacity.

Catalogs Free.

GEO. H. STAHL, Patentee and Sole Manufacturer, 114 to 122 S. Sixth St., QUINCY, ILL.

ROUP CURE GUARANTEED, ROUP

CONKEY'S ROUP CURE—the only remedy positively known to cure Roup in all its forms as long as the fowl can see to drink. Simply put the cure in drinking water and the fowl will take its own medicine. **For Canker**, especially in pigeons, this remedy excels all others. One 50c package makes 25 gallons of medicine. **Directions** with every package. If this fails to cure we refund the money. Postpaid, small size, 50c; large size, $1. Petaluma Incubator Co., Petaluma, Cal., Pacific Coast Agents.

AGENTS WANTED. G. E. CONKEY & CO., CLEVELAND, OHIO.

Please mention this paper. Do not send stamps.

RIGG'S LINE BRED 1874 SINCE HOUDANS

Matings for 1899: The noted Sire and unbeaten Show bird, ***ST. ELMO,*** weight 8½ pounds, score 95¼, is Premier at ***Le Bocage, Imp.,*** score 93½, our first prize cockerel at Chicago, 1899, and sons of ***ST. ELMO*** scoring 94, 94½ and 94¾, also do service. Each and every female in these several pens are ***Above Standard Weight,*** and grand in markings, style and finish.

EGGS FOR HATCHING.

The embodiments must, in the very nature of things, produce something extra choice—the ***Large, Dark, Typical Houdans*** so much desired. It has been the record of this strain for more than a quarter of a century. Prices, $3 per 13; $5 per 26; $7 per 40.

THOS. F. RIGG, Iowa Falls, Iowa.

THE COMBINATION INCUBATOR

is the latest and best thing out, made by the oldest and most reliable incubator factory in the U. S. We call this the incubator of our life, because we have had to accomplish two hard things in making it, best quality, lowest price; either one singly is easy; both combined—well, we do not need to say it was hard to do. But we have done it. If you are interested write for particulars. Book on roup, how to cure and prevent, 50 cts. Testing and hatching chart, $1; both at once, $1.25. 100-page catalogue of incubators and brooders, 5 cts. or stamps

J. L. Campbell,

West Elizabeth, Pa.

Poultry That Will Samples and Printing Give Returns Prices Free.

B. F. HUNTINGTON, Plattevil'e, Wis.

A BARGAIN—245-acre farm. Cuts 60 tons hay; fine buildings; nice pastures; 2,000 sugar trees; all sugar tools; R. R. 5 miles; healthy location; $1,400.

GUNN & CO., Marlboro Depot, N. H.

Buff Plymouth Rocks.

Pure Nugget Strain Only.

Indiana State Fair Winners, 1898. Won 1st cock, 2d cock, 2d breeding pen on four entries. Eggs $2 per 13; $3.50 per 26. Stock for sale. Member American Buff P. Rock Club.

MRS. E. I. REYNOLDS, Haskells, Ind.

D. F. TAYLOR,

"The White Rock Man."

Thirteen years a breeder of "The Empire Strain" of White Plymouth Rocks and White Wyandottes, the two best utility fowls. Winning more firsts and specials on these two varities than any breeder. Quality regulates prices. Poor health compels him to offer his entire stock for sale without reserve. Address

D. F. TAYLOR, DeRuyter, N. Y.

Our Southern Home.

A 60-page monthly journal, at 50 cents per year, devoted to Immigration, Southern Poultry Breeding, Bee-Keeping, &c. Also a chapter on gold, mica and other mining each month in North Carolina. Lands and small farms to exchange for poultry, live stock or cash. Send two one cent stamps for sample copy. Address

M. H. PRIDE, Publisher, Mount Holly, N. C.

MONEY IN HONEY!

The Weekly American Bee Journal Tells all about it.

Sample Copy Mailed Free

G. W. YORK & CO.

118 Michigan St., CHICAGO, ILL.

Fancy Pigeons For Sale.

Pouters, Archangels, black, white and blue Fantails, black, white, blue, yellow Muffed Tumblers, Black and Red Magpies, Red Jacobins, Black Trumpeters, Black Swallows, yellow and light blue Helmet Tumblers. I just received 24 prizes on 25 pairs of my pigeons at the largest poultry and pet stock exhibition held in the West at Cedar Rapids, Iowa, 500 pigeons in competition. I also won the Niles special prize and sweepstakes for finest collection of fancy pigeons. Prices way down. Address

P. NEWCOMB, box 355, Cedar Rapids, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Mammoth Bronze Turkey Farm,

Home of the Famous

National Strain of Mammoth Bronze Turkeys,

which have won more first prizes in the past four years than all competitors combined. That too in the hottest of contests. They won **SWEEPSTAKES** at the great **SILVER CUP SHOW** at Kokomo in a class of **TWENTY-TWO BIRDS.**

A clean sweep at Indianapolis great show—1st on young tom; 1st, 2d and 3d on hen; 1st, 2d and 3d on pullet; 1st on pen and special prize for best display. January, 1899, eighest honors at four other shows.

All Eggs at half catalogue prices after June 1st. Bronze Turkey eggs $2.50 per 12. Eggs from fine Exhibition B. P. Rocks only 75c per 15; $1.50 per 30; $4 per 100. Write at once before they are all gone.

THE FAMOUS STAR INCUBATORS—We handle this excellent machine, together with a full line of **POULTRY SUPPLIES.**

Send at once for Free Illustrated Catalogue of Turkeys, Chickens, Ducks and Poultry Supplies.

SAM B JOHNSTON & CO, Box 345, Boggstown, Ind.

"RINGLETS" SOAR STILL HIGHER!

AT NEW YORK, FEBRUARY, 1898,

E. B. THOMPSON'S BARRED PLYMOUTH ROCKS

Win all the **Sweepstakes Cups and Trophies,** including the **Superb Challenge Trophy** for best cock, cockerel, hen, pullet and exhibition pen; **$100 Sterling Silver Cup** for finest exhibit; **Grand Special Sweepstakes Cup, value $100,** presented by the President, for best cock, cockerel, hen and pullet, **any variety.** My **Clean Sweep of 1st, 2d, 3d, 4th and 5th Prizes on Pullets** has never been approached in Madison Square Garden, and stands **alone** and **unequalled.** The record of both **1st and 2d** on breeding pens was also **phenomenal.** At **Madison Square Garden, 1895, 1896 and 1897,** my Barred P. Rocks won nearly **three times** as many 1st prizes as any other exhibitor. **GRAND STOCK** for sale. **EGGS** from finest exhibition matings: 1 sitting, $5; 2 sittings, $9; 3 sittings, $12. Richly illustrated catalogue on application. Address **E. B. THOMPSON, Box 510, Amenia, Dutchess Co., N. Y.**

A Great Big Snap.

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Remember that a prize winner heads every pen and the birds now in my yards have won over 40 ribbons at big shows. Some very choice breeders and exhibition specimens for sale.

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Our birds won the best prizes wherever shown during the past winter and the superior matings in our breeding yards this season have produced stock that can and will win at the coming winter shows and fall fairs. Do you want such stock? LARGEST POULTRY PLANT in Ohio. This country's best Turkeys, Geese, Ducks, Chickens, Guineas, Peafowl, etc., etc., etc. Address

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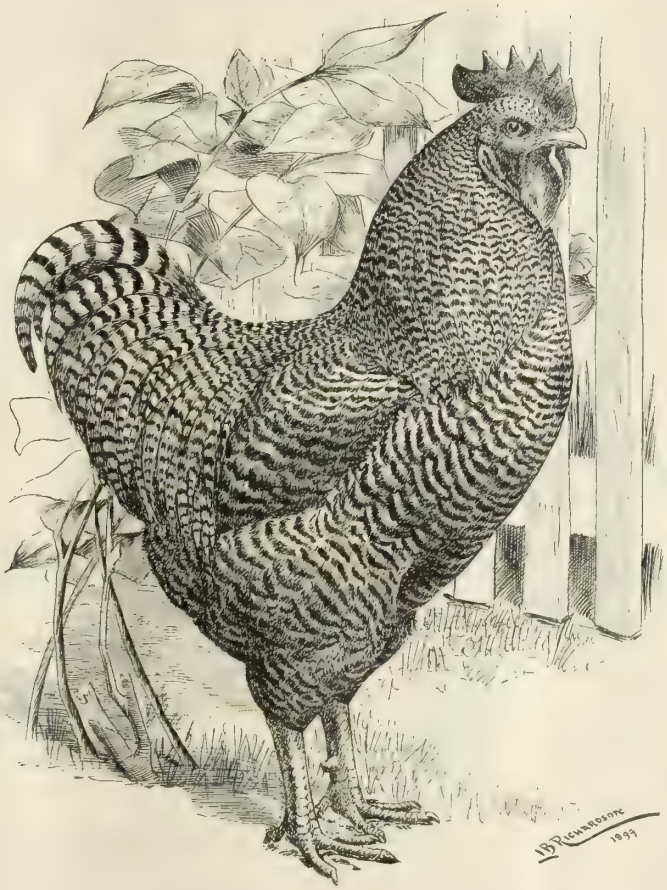

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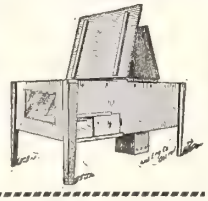

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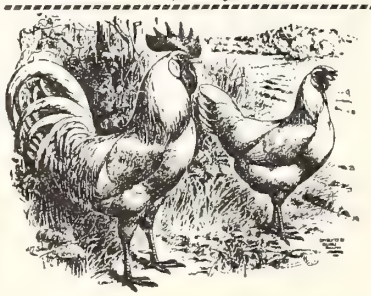

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White Wyandottes and S-c. Buff Leghorns.

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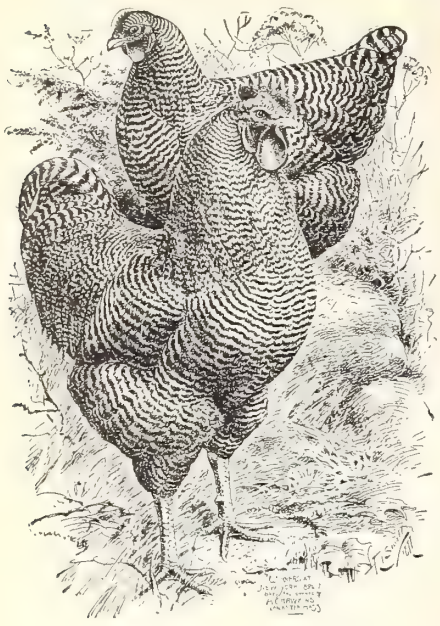

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Per 100, $20.00.

Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1899 are the best I ever owned.

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We have raised 300 chicks this spring, all sired by the first prize cocks and cockerels at Chicago and Detroit shows, '98 and '99, that will be ready for fall shipment. Now is the time to buy choice breeders. Send for circular. Smith strain is the best. Get the best. We keep them.

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Entire stock, consisting of 2d cock at Pittsburgh, '98; 1st ckl. at Columbus, '99, and 21 hens and pullets, scoring to 94½. Many are solid buff throughout. Will sell in block or singly at a bargain.

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Also a fine lot of White P. Rocks, Single-comb White and Brown Leghorns and White Wyandottes at $1 and $2 each. Will please you or birds may be returned at my expense. Address

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Saturday, Feb. 4th, I had my entire stock of Lt. Brahmas, Blk. Langshans, S. L. Wyandottes Buff, Barred and White P. Rocks scored by Chas. McClave and as a result found 96 birds that run from 90 to 94. I have several that score 94½ by such judges as B. N. Pierce, F. J. Marshall and W. M. Clark. Examine my show record at Cincinnati and Portsmouth, O. Write me for prices on stock and eggs. Satisfaction guaranteed. Ten for a hatch or duplicate at half price. Chicks two weeks old 25 cts. each. ***MRS. J. H. OREBAUGH, Box 7, Batavia, Ohio.***

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Satisfaction guaranteed. Write for Catalogue.

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My Pens Contain ALL My Light Brahma Winners.

Not a female in these pens score less than 93½ by Pierce. Males include those upon which I won Grand Sweepstakes at Rockford.

Eggs from these pens $3 per 13; $5 per 26.

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VOL. 30. CHICAGO, ILL., AUGUST, 1899. NO. 8.

THE FANCIER IN THE POULTRY YARD

BY THOS. F. RIGG.

This is the building season, and a great many good, bad and indifferent poultry houses will be constructed. I have built several houses, made the usual number of mistakes and learned some things.

There are so many things to be considered in the construction of a fancier's poultry house—so many things of vital importance. The three most essential requirements are, room, warmth and light. A house must be roomy. This is absolutely necessary. Here is where many fail in proper construction. In the "latest and best" house I constructed the rooms are 12x12 feet, and they are now too small. One trouble in constructing small rooms is that they will, in all probability, be filled. A breeder fully realizes that the room he constructs is capable of holding, rightly, a certain given number of fowls, but in nine cases out of ten, these small rooms will be overcrowded. The past winter was an educator to the poultry fraternity. We all learned some things which we will not forget. It was a record-breaking winter, so far as intense cold weather was concerned. Fanciers were compelled to closely house their stock for a period of several months. The man who had large, roomy quarters, in which his flock was properly distributed, had no trouble in securing fertile eggs early. This means that he now has a goodly number of March and April chicks, and as a consequence, will be able to meet a demand, which will be greatly in excess of the supply. This further means that he will make some money. And above and beyond the pleasure the true fancier derives from his stock is the satisfaction that he is making it pay.

It would be an impossibility for me to give specifications here of the best poultry house. The best house for the Maine fancier would not best serve the California fancier. We must consider the conditions—all the conditions. In the north and great middle west the climate conditions are general as to states. In this section of the country we must build to accommodate our fowls for a long period of cold weather. Men very naturally differ as how best to build. Were I to construct a poultry house this season I would build a duplicate of the one put up on my place last year. This house was constructed for the accommodation of five breeding pens. Each pen room is 12 feet square. The building is constructed of first-class material throughout. It is made as nice as it could be so far as quality of material and workmanship are concerned. Drop-siding was used as outside material. This was lined with heavy building paper. The inside is ceiled and sided with shiplap. This gives four inches of dead air space. All lumber used in the interior construction—pen partition boards, etc., are hand smooth. This makes it easy to paint with either lice-killing liquids or whitewash. A smooth board makes a very undesirable abiding place for vermin. I have found this construction to be preferable to a house which is lathed and plastered—and I have houses of both kinds.

The floor is of boards—the best flooring obtainable. I would not attempt to keep my fowls year after year in a house containing a piece of mother earth for floor! Let's consider this matter. Some writers tell us that the earthen floor is the best for the reason that the fowls are in constant touch with the ground—that feed can be scattered in the dry ground and that the birds can easily and at will enjoy a dust bath. Just think of the condition of such a pen. It would be objectionable, no matter how good care it is given. From a sanitary point an earthen floor is all that is undesirable. Each fowl will drop a quantity of manure during the confined season. The liquid from hen manure is given out in large proportion. This liquid will in time thoroughly saturate the ground to a very considerable depth. We may once, or even twice a year, remove a few inches of earth from each pen, putting back fresh earth, but the underlying strata of the pen is, in the very nature of things, foul and unhealthy. It can not be otherwise. Then, too, an earthen floor is so much more difficult to keep in proper condition otherwise. It is almost impossible to clean such a floor every week, as every floor ought to be cleaned. Everything placed in the pen becomes imbedded in the dry loose soil. We simply have a "mess." With the board floor it is all different. It is always dry, and can be easily kept clean. We can change scratching material at will. The droppings from the fowls can be wholly removed and the floor kept as clean as a new floor. My fellow fanciers, do not use the earthen floor. If you are going to build a poultry house, just sit down and carefully consider this proposition.

One ordinary window to each pen is sufficient. It used to be that we built our poultry houses with the entire south side of glass. We have learned better. We want to so build that the difference in temperature, day and night, will be as little as possible.

How best to ventilate the poultry house is a huge problem. My candid opinion is that the average poultry house is sufficiently ventilated. Enough fresh air finds its way inside the average house. Of course a house built as here described is close, and is constructed so as to keep out all drafts and as much cold as possible. Such a house ought to be ventilated. The great trouble in ventilating a fowl house is that in so doing drafts are created. This means sickness to the inmates. I have found that the rooms in the poultry house should be high. This is contrary to the generally accepted theory, but I *know* it to be far the better way. And this is very reasonable. We thus secure more air space and the fumes and impure air will rise far above the fowls. I say such a house as described should be ventilated. But do not put in overhead openings. Run a 3x3-inch tube from near the floor out through the roof. Each morning and evening when you go to care for the birds leave the main door open during your stay. Do this no matter how cold the weather may be. Upon pleasant days leave the door open during the warmer portion of the day. You will thus admit sufficient fresh air.

As to interior arrangements, such as nests and roosts, etc., there are no two poultry houses constructed alike. No thorough fancier now-a-days omits the dropping boards beneath the roosts. Nor is the dust box, the grit, charcoal and oyster shell boxes missing. In general the house shall be made roomy, with all facilities for the easy handling of the birds, and with every advantage as to the health and comfort of the inmates.

AGE AND MARKINGS.

Mr. Chas. Greenway, Le Mars, Iowa, in a personal letter asks answers to the following questions:

1. Are the chicks from an aged Houdan hen which has moulted an excessive amount of white in plumage lighter as

to plumage color than such a hen's chicks would be from her as a pullet?

2. Should the primaries of a Houdan be white and black in each feather, or should the feathers be white and black, alternating?

Mr. Greenway thus opens an important and wide field in the proper breeding of Houdans. Let us first consider the effect of molt to white feathers in advanced age, as it does or could effect the color markings of the offspring.

2. The blood lines of a Houdan which at the age of two or more years, molts an abundance of the objectionable white in plumage, are not right, are not correctly established. The elements in the composition of the Houdan which as a hen "goes to pieces" in color were fully possessed by her as a pullet. *It was in the blood.* The withering hand of age is laid upon a fowl as it is upon man, and exceeding the power of man to *preserve* is the greater power of nature to decay all and everything—the flush of youth in a standard bred fowl, as it does the bloom of youth in mankind.

We have been, and are yet being told by some very able writers in the poultry press that a race of fowls of white plumage is weaker than fowls carrying black plumage. It's simply a custom-made untruth; that's all. The fact is that the white in the Houdan, a fowl of *pure white and black plumage,* is constantly battling for supremacy, and, in nine flocks out of ten, becomes, in a few years, master of the situation.

We must—it is an arbitrary rule of nature—keep our male line far darker than the standard requires for an exhibition specimen. In this way, and in this way only, can we produce the Houdans which, at advanced years, are the evenly mottled specimens, the pure white tips showing just right and in the proper proportion. And this suggests the thought why is it not true that the specimens of any breed of standard-bred fowls which will *produce* as either sire or dam, *the best specimens of the breed*—the desired founders of a race—are not the most valuable specimens of the breed in the show rooms as well as in the breed ing pen. I think they are.

2. The standard says that the primaries of a Houdan should "black and white intermixed." I like to see each feather of the primary about "half and half"—one side pure white, the other pure black. Gray should not for one moment be tolerated. We must have the pure black and white. A Houdan specimen with the objectionable gray in wing plumage will, in all probability, throw chicks with this defect further extended. Do not use such specimens as breeders. You cannot afford to do so.

DISEASES OF POULTRY.

This series of papers on the prevention of disease, the care of fowls, the preservation of health in the flock, and the general conservation of energy in breeding poultry, is written expressly for AMERICAN POULTRY JOURNAL by DR. N. W. SANBORN, Wellesley Hills, Mass.

CATARRH.

Catarrh is a simple inflammation of the mucous linings of nose and tear passages.

It is not roup, and unless you have a filthy house or another bird sick with roup, it will not pass into the roup condition.

Catarrh is caused by damp houses, drafts from broken windows, exposure to severe storms, or by some irritant such as air-slacked lime. Ammonia arising from manure or droppings has been known to cause catarrh.

Catarrh differs from roup in that it has the tendency to get well without treatment, while roup seems inclined to progress to a fatal end.

In the beginning of catarrh, when you notice the watery discharge from eye or nostril, bathe or spray eyes, nostrils and throat with a solution of sulphate quinine, twenty grains to two ounces of warm water. Do this two or three times a day and if not checked within forty-eight hours, proceed to treat as if you had roup—which it probably is. Catarrh among brooder chicks is commonly due to insufficient heat or crowding and is better prevented than cured.

ROUP.

The disease most likely to appear in spite of good care is *roup.* This is not the same as common catarrh or a "cold." It has a tendency to grow worse, while catarrh inclines to return to health.

Roup may arise from outside contagion or originate from bad hygienic conditions. A roupy bird returning from the shows, a bird brought from a distant breeder, or a neighbor's sick hen may introduce the disease to your flock.

Roup is a filth disease. Lack of care in keeping the houses clean, especially the allowing of the droppings to accumulate under the roost is a prominent factor in roup.

Roup once introduced into a house is hard to eradicate and unless handled with care is likely to appear winter after winter. Given a single case of roup and every bird within its reach, especially birds using the same drinking vessel, are in great danger.

Roup is not caused by "taking cold." With the exposure to cold or draught must be combined bad air from crowding or foul conditions of building, improper food or filthy water. A house that is cleaned out only once in a while, especially if damp, is a good place to look for catarrhal diseases. Inbreeding, unless always done with strong vigorous birds, has a tendency to weaken vitality and furnish a constitution favorable to disease.

Roup is a purulent catarrhal affection of the air passages.

SYMPTOMS.—Roup at the beginning resembles catarrh. There is increased redness of the mucous surfaces of nostrils and eyes with a discharge at first watery then muco-purulent. Breathing at first is not difficult, but as the secretion thickens, the respiration becomes labored from obstruction of nostrils and air passages.

Quite early in the attack there is bubbling of the discharge at the nostrils—sometimes at the eyes. As the discharge thickens and gets cheesey the throat becomes filled and the bird often dies from lack of air. If the case progresses slowly the bird becomes thin and weak, as the result of fever and poor appetite. Cases with swelled head and ulcers in throat are often fatal.

A severe case if left to itself may be expected to die in from five to twelve days.

It holds good of poultry diseases as of those of the human body that the more dangerous to life the larger the number of the sure cures advertised. Nearly every writer on roup offers a different remedy. How often they fail!

The sooner an attempt to cure is begun the more likely you are to be successful. Every case of catarrh ought to have early attention. You do not know the first day or two whether you are to fight simple catarrh or roup, and it is quite pleasant to cure the bird and yet never know what the trouble really was. There is no better time to know whether disease of the breathing organs is developing than at night when the birds are on the roost.

For a bird with a thin watery discharge from nostrils or eyes spray with an atomizer the following solution: Extract witch hazel, four tablespoonfuls; carbolic acid, three drops; water, two tablespoonfuls. Two squeezes of the bulb to each nostril and eye and to the throat twice a day will do much to hasten repair and relieve the inflamed condition of the mucous surfaces. Keep the bird or birds in quarantine with simple digestible food and pure drinking water.

For a severe case, with swelled head and foul-smelling discharge, I have seen the best results from kerosene oil. This is used by putting a tablespoonful of kerosene gently upon a half pail of water. The sick bird is then held by its legs and its head slowly pushed through the layer of oil into the water. Ten seconds is time enough to use in dipping the head. When taken from the oil wipe the feathers dry or they may come off.

If any of you have an opportunity I should like you to try for roup peroxide of hydrogen. Either this or what is known as "hydrozone" from what I have seen it do in treatment of disease in my own practice of medicine, makes me think it would give good results in roup and diphtheria. Peroxide in full strength, or "hydrozone" with an equal volume of water, sprayed on the diseased surfaces ought to destroy the local disease. The next case of roup referred to me to advise treatment I shall write "use 'hydrozone' one part, water one part, in atomizer, spraying all diseased surfaces twice a day."

Whether it pays to doctor roup, except with the hatchet, is a question you must settle each for yourself.

I must earnestly protest against ever using for breeding purposes a bird that has had roup. The disease leaves its mark upon the constitution and tells upon the chicks. At the R. I. experiment station a few years ago was said in a "Report": "A lot of cockerels bought of —— of New York state had the foulest kind of roup when received. Part were killed, and others cured after a long course of treatment; but they were continually getting out of condition and the *mortality among their chicks was large.*"

DIPHTHERIA.

Diphtheria is a serious disease and one to be dreaded. It is infectious, easily

given one bird to another, or through the use of food or water.

Diphtheria is commonly met in the cold months of the year and where there is an "out" to the condition of house or yard. Filth in any form seems to play a part in the contracting of this disease.

Diphtheria is sometimes brought into a poultry plant by a new bird bought for breeding, or from a bird returning from the shows.

This, as well as many other diseases, may be largely avoided by having some definite plan of quarantining any bird brought to the place.

Diphtheria is just as likely to attack a healthy bird as one that is lacking in vigor.

SYMPTOMS.—When this disease makes its appearance you will notice first—depression of spirits and some indications of catarrh. The bird is apparently tired, sleepy. The neck is held as if it had a splint on and the plumage is rough.

In twenty-four hours a slight discharge may be seen flowing from the nostrils, and a syrupy fluid in the corners of the mouth.

The thought of diphtheria probably has not occurred to you, until near the close of the second or on the third day, you look at mouth and throat. You are surprised to see leaden colored patches on the mucous lining of throat or roof of mouth or both. The patches vary in size and shape and may cover the entire throat. This leaden-colored exudation has one characteristic peculiar to itself—any attempt to remove it causes bleeding, so closely is it bound to the mucous surface.

The patches may, in a day or two, run together and spreading, involve both the nostrils and larynx, causing death by suffocation.

Diphtheria runs a course of five to fifteen days. There is nearly always some difficulty in swallowing food and improvement in the acute trouble may be followed by loss of use of legs or wings for a few days or weeks.

TREATMENT.—To handle this disease, you need to use active persistent treatment. By the use of an atomizer, of glass and hard rubber, spray mouth, throat and nostrils with "hydrozone" full strength. This is a strong preparation of oxygen and will destroy all pus and germs it reaches, while healthy tissue is not injured by it. If unable to get "hydrozone" then hydrogen dioxide may be used and it ought to be found in any up-to-date drug store. The spray ought to be used twice or thrice a day until the membrane is gone and the bird is eating fairly well. Internally it is well to give a pill of calomel one quarter grain, sulphide of calcium one-half grain, with bread to give size, and administer the dose three times a day for a week.

If you can induce the bird to eat give milk, raw egg and beef juice. If the throat is too full of swelling to swallow food it must be given by the bowels or you will surely lose the bird.

When the acute symptoms are passed give tonics, such as Fellows' compound, syrup of hypophosphites, three drops diluted three times a day.

L. Brown & Co., of Middleboro, Mass., are manufacturers of a brooder which is advertised in our columns, which is reported to us as giving the best of satisfaction and will compare most favorably with any other, regardless of price. We refer those of our readers who wish to purchase a brooder to the ad in this issue.

First Prize Cockerel at New York, 1897. Bred and owned by E. B. THOMPSON, Amenia, N. Y.

BARRED PLYMOUTH ROCK COCKEREL.
Bred and Owned by E. B. Thompson, Amenia, N. Y.

PROFITS IN DUCK RAISING.

COLORED ROUEN DUCKS.

Last month I gave you the history, etc., of the White Aylesbury ducks, which I hope was a benefit to all.

Now I take pleasure in presenting to you the history, description and weight of the colored Rouen Duck. The colored Rouen Duck is popular all over this country, and is considered one of the most profitable breeds to keep. These ducks were first bred in the city of Rouen, Normandy. It is known that large quantities of poultry are raised in Normandy. Large numbers of these ducks are raised there each year. Some writers say that the name should be "Roan" owing to the color, but the color itself will not hold good this contention. The correct name is Rouen and "Roan" is undoubtedly a corruption.

The Rouen Duck is a fine market bird but does not mature as early as the Pekin or Aylesbury. The flesh is considered very delicate, and it is considered a very fine table fowl, being easily fatted. The Rouen has been found to be a very profitable bird to raise on the farm, being hardy, prolific and has a fine plumage. Their eggs are not as large as the Pekin's eggs. The Rouen is closely related to the Mallard Duck. Its plumage alone will hold this good. But the shape has been greatly modified from that of the Mallard. The body has grown longer and heavier with a tendency to drop in the rear, the wings have lost their power of flight. The plumage remains about the same. The standard bred Rouen drake has a long, finely-formed head, with a rich lustrous-green plumage. The bill is long and broad and of a greenish yellow color, with a black tip. The shanks are short and strong and of an orange color. The toes and webs are the same. Both duck and drake are in plumage pleasing to the eye. The only objections to them are that they are slow in maturing and the dark pin feathers. But this should not stand against them, any more than it does against the Black Spanish chicks. I can recommend them to anyone who wants to raise them for market purposes. The standard weight of an adult drake is nine pounds, adult duck eight pounds, young drake eight pounds and young duck seven pounds. Next month I will write of the Black Cayuga duck.

EDWIN W. FLY.

BIGGEST IN YEARS.

The Northern Illinois Poultry and Pet Stock Association will hold its eleventh annual exhibition in Belvidere, Ill., Jan. 15, 16, 17, 18, 19, 1900. So thoroughly are the members working the exhibition will undoubtedly be the largest and most successful ever held in this vicinity.

The Association will have some good prizes offered in specials and gold.

F. B. Zimmers, of Gloversville, N. Y.; Ben S. Meyers, Crawfordsville, Ind.; A. H. Currier, of Rockford, have been selected as judges.

In a recent letter Edwin W. Fly, of Chalfont, Pa., writes that he has decided to clear out all his Barred Plymouth Rocks and breed Partridge Cochins, of which he expects to have some of the best.

G. C. Flegel of Westville, Ind.

THE WHITE WYANDOTTE.

The subject of how to raise thoroughbred poultry, when breeding for fancy points as well as for general utility, presents so many difficulties that it is not to be wondered at that there are so few who succeed in overcoming them and bring the business to a successful issue, and it is a fact that these same successful breeders have in all probability followed lines in their breeding that were diametrically opposite to each other. This alone leads me to the conclusion that the breeder who expects to make a success of the business by following out exclusively the ideas advanced by others will in the end make a failure where, if he had used his own judgment and followed a set plan of his own and improved where experience told him he could better his stock, he undoubtedly would have succeeded. I would not be understood as advocating the idea that we can not improve ourselves by taking the benefit of the experience of others but that each breeder should endeavor to secure an individuality in the stock he is breeding by using ideas of his own. Therefore if the following lines may not conform to the ideas of others who are endeavoring to bring the White Wyandotte to a greater degree of perfection, I have only this to say, I am not mating your fowls and am willing to abide by the results of my work. In 1881 I first became interested in thoroughbred poultry and after trying a number of the different breeds I have found the White Wyandotte to come nearer to my idea of the best general purpose fowl than any other.

There are many reasons for this decision but it is only necessary to mention a few of them, i. e., they are among the best winter layers we have, and come to broiler size fully one week earlier than any other breed I am familiar with, they come to maturity early and are good market fowl when fully grown. There are some points in breeding them like all other breeds that have to be watched and if not watched closely I fear the result will be disastrous in a short time. The two main features are their tendency to breed too much brass in plumage and to throw chicks with dark feathers at times. I think these objections will be reduced to the minimum by proper mating and that time is not far in the future.

In selecting my breeding pens I take females that are fully up to Standard in weight and if they are above is not objectionable. Their plumage should be *white*, legs and beak yellow, I like the legs to be fine lemon yellow and the beak a shade darker if possible, the comb to be full in front, fit well to the head and rather small, wattles and lobes red and free from wrinkles and not too large and especially free from white, a good full breast with a body of medium length and well built and not too much leg.

The male I do not want over Standard weight but I do want him built from the ground up, with a good pair of bright orange yellow legs with a tinge of the red down the sides and showing good bone, feet large with toes well spread, good size and straight. The breast full and deep, the back broad and not too long, tail short, the beak short and yellow but not so short as to appear blunt, the wattles and lobes same as in hens, the comb low and not too rough, set well on the head, rather narrow in front and widening to the middle.

The eyes of both male and female to be a good bay red and bright.

As to the plumage of the male I like it to show a trace of brass in the hackle and if there be a showing in the saddle no hurt will be done.

With this mating we will get the yellow beak and legs that are so necessary to the beauty of this fowl and we also secure a good big percentage of fine clear white birds. Of course in selecting a male of this kind all the quills should be white, the brassy color only showing in the web of the feather.

My reason for this mating is, that if a *pure snow* white male is continually mated with the same colored females it will be but a short time until all the yellow will disappear from the legs to be succeeded by the pink of the albino. The yellow pigment being driven from the system it is an easier matter to displace the yellow leg by the pink than is imagined, and, it is also an easy matter to have the brassy effect show in the female as well as in the plumage of the male, and for this reason it is very necessary that the utmost care should be taken in the matings. As to the dark feathers that show in this breed once in a while, it will take time and care to eradicate and I should object very much to placing a bird that has dark in any part of its plumage in a breeding pen of mine. I confess that I do not know whether a bird with dark feathers will transmit this defect to the chicks from its eggs or not, as I have never placed one in a pen I wish to breed from as yet and don't think I shall.

I believe that one of the greatest mistakes is made by using males that are too large, thereby tending to increase the size of the breed and while this will without doubt be the result of mating extra large birds I think we loose by so doing, for we surely lengthen the time to maturity and thus lengthen the time at which egg production begins, and if we are working with the intention of producing the best general purpose fowl, early maturity and layers should be the object rather than increased size and late layers for the two latter surely go hand in hand.

The pen shown in the cut is from such a mating as I have described and every hen in it is snow white and the cockerel while he looks stilty as he stands is not so when seen in his natural position and as he and his mates have been in a pen and run all summer without shade of any kind, which will bring out all the brass color in them, they all show a fine clear white. This bird will head a pen for me next season as he has the bright yellow leg I want and for this reason I can safely use him this coming season; the photo was taken under adverse circumstances and the operator did not get all the birds on the plate, but it shows them all in their natural position except the cockerel, he standing at "attention" ready for a chance to run.

G. C. Flegel.

Westville, Ind.

FOR AUTUMN EGGS.

To get eggs in the autumn of the year, we bring wheat bran into play. Not wheat bran of the dry, red and flaky kind, that is almost, or entirely, devoid of the white substance known as "shorts," but good country ground wheat bran that is rich in its make-up, finely ground, and that covers the hands with whiteness in handling it. Take bran of the latter sort, mix two quarts of it to one of oats, in a large tin bucket. Then get a beef joint bone that has some meat on it, boil it in a gallon of water and when still hot, pour the beefy flavored hot water into the bucket of bran and oats, cover over and let it soak and steam for 15 or 20 minutes. Then feed it to the hens while still warm. Do this once a day during the autumn months, and a large per cent. of the hens will lay during the molting period, because they will not molt at the same time, or be in the same condition of molting; hence some of them will lay when fed on such nourishing food.

Corn should also be given to the hens once a day during the autumn season.

In boiling the beef joint as above suggested add a few potatoes, or an onion or two, to give a vegetable flavor to the mixture. The return in eggs will more than repay the outlay.

H. B. Geer.

GREEN BONES NECESSARY FOR SUCCESS IN POULTRY CULTURE.

It is an established fact that green cut bones are necessary for successful poultry keeping. When nature ceases to supply the insects on which poultry thrive in spring and summer, the poultryman who is alive to business must do what nature cannot do in winter, and feed fowls on green cut bone.

Green bones are rich in nitrogen, and, therefore, serve as food. When a bone contains a large share of adhering meat it is all the more valuable. Bones serve several purposes when used for poultry. Being phosphate of lime, they are capable of being digested, which is not the case with oyster shells and grit; and they supply the birds with elements that may be lacking in the food. They also assist in grinding the food, taking the place of grit, and are readily accepted by all classes of poultry. In fact, it is safe to claim that there is nothing that can be used as egg-producing food which serves the purpose so well as green bone, its combination of qualities, nitrogen, lime for egg shells, cost and adaption to all fowls and all ages—give it a place even higher than meat, which contains nitrogen, but no lime or other mineral matter. Therefore in preparing a diet for poultry either with a view to increasing the vigor of the bird or developing its egg-producing organs, such food should be selected as science and chemistry have demonstrated to be component parts of the structure to which they are afforded as nutriment and sustenance.

None possess these qualifications to such a marked degree as does fresh green bone, which is therefore, a necessity for the highest success in poultry raising.

DRY WEATHER EXPERIENCE.

We are having another drouthy summer season in middle Tennessee. We have had no rain to speak of for 6 or 8 weeks, and vegetation of all kind is suffering. Live stock also suffers when vegetation does, and poultry shares in the general detrimental effects of drouth, and the want of the ever-nourishing and expanding moisture that ordinarily comes to us from the summer clouds.

Even young chickens are harder to raise in such dry spells as the present one here, than they are when there is at least a normal rain fall. The cost of raising them is also greater. We used to think that dry weather, long drawn out, was just the thing for chickens, but later on we found out better. Because, when the ground is dry and parched like, as it now is, the tender, succulent shoots of grass that comes of sufficient moisture, is absent. Likewise the worms, bugs, etc., that breed in a warm and moist soil. There is nothing but dryness and dust, and the many choice bits that nature ordinarily furnishes the growing chicks are absent when drouth prevails.

Of course, when rains are excessive there is danger of roup, but we would rather take chances with the roup that might come of too much rain than to try to raise chickens when the earth yields nothing towards their growth and development.

Laying stock is also affected by the drouth, and, unless precaution is taken to supply the hens, even those that have the range, with meat and green food, to make up for its absence from natural sources, we need not expect many eggs; for a hen cannot furnish eggs from dust and dry grain. She must have a little of the variety that nature ordinarily supplies her with when foraging over the fields and commons.

H. B. GEER.

Nashville, Tenn.

Barred Plymouth Rock feathers from a couple of E. B. Thompson's winnin ockerels.

THE SAME OLD STORY.

A correspondent writes us that his fowls are dying from a mysterious disease. They are well one day and dead the next, and there is no apparent cause for it.

They lose control of their legs, wings, and even their necks, and fall about in a limp and helpless manner. In fact, he draws a perfect picture of the fatality in the south known as "limber neck," a disease that is really not a disease. It is simply one way of killing chickens by means of neglect and maggots. Neglect in not burying any refuse or dead animal matter about the premises and the natural tendency of the fowls to pry about and find such stuff and the additional inherent instinct of the maggot to work at its trade so long as it is alive. The chickens swallow the maggots alive and the maggots proceed to work on the internal vitals of the misguided chicken. That is the theory, whether right or wrong, of limber neck. It is probably correct, because when it makes its appearance in a flock, if the chickens still unaffected are promptly shut up and deprived of the range of the premises, and the cause of the trouble is looked up and buried, why then the trouble ceases, and the chickens may roam about as before without any danger from that particular source.

H. B. GEER.

Nashville, Tenn.

In sending in change for "ad," C. M. Davidson, of Chicago Lawn, Ill., writes: "I did not expect to make any alteration in the wording of my 'ad' for August issue of A. P. J., but as all my surplus breeders have been sold as the result of my bargain sale offer in July number, it becomes necessary to say something new." As to what that is the reader is referred to another column, where Mr. Davidson speaks his piece to those in search of early hatched cockerels.

Mrs. E. I. Reynolds, Haskells, Ind., a breeder of Buff Plymouth Rocks, writes that she wishes to dispose of some of her this year's breeders to make room for young stock. She has five choice cock birds at prices that it would pay breeders to buy and hold over until the next season. Young stock from these birds is showing up finely.

J. H. Grant, of Elmira Heights, N. Y., expects to move to Coudersport, Pa., and for this reason advertises in this issue to sell over two-thirds of his old stock at half value. Here is a good bargain for Buff Cochin and Light Brahma breeders.

WHAT OF THE SEASON

A Report of the Past Season's Work from American Poultry Journal Advertisers.

Another Season in the Poultry Business has Closed and a Review of the Work Done Can Now be Made The Reports are a "Barometer" of the Business and A. P. J Readers Look for them each year.

Very Satisfactory Year With Stock—Low Market for Broilers and Backward Spring Interfered with Success.

Kansas City, Kan., July 1, 1899.

Editor American Poultry Journal.

DEAR SIR:—I have had a very satisfactory year with stock, raising about 4,500 chicks at different months and 2,000 Pekin Ducks.

We suffered with a low market for broilers this spring and the demand or market for young ducks went entirely to pieces early in the season owing to this and the backward egg trade in the spring. So far the year has not been a very profitable one. We hope, however, to recoup on the fancy fowl trade in the fall and winter.

From a fancier's standpoint I think the results of the entire year will be good, but on our practical market business it will now be impossible for us to make any money.

WILLARD MERRIAM.

Sold All He Could Spare—Eggs Hatched Well.

New Market, Ind., July 4, 1899.

Editor American Poultry Journal.

DEAR SIR:—My ad has brought me as many sales as expected. Sold all I could spare. Eggs hatched well and I have about 300 fine W. P. Rocks for fall and winter trade. They are white and very fine in shape, good bone and pure yellow legs. They will show for themselves. Yours truly, TILLIMAN EASLEY.

Stock All Sold Early—More Egg Orders Than He Could Fill.

Wayne, Mich., July 5, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your recent letter at hand and contents carefully noted. In reply will say that I sold all my surplus stock of Partridge Cochins early in the season and had more orders for eggs than I could fill.

A great many calls stated that they had seen my ad in the American Poultry Journal. I have about 200 nice young Partridge Cochins and think they are an extra nice lot, extra heavy feathered and nice deep rich mahogany color. Think your paper did me a great deal of good. Yours respectfully,

JOHN C. STELLWAGEN.

Trade Has Been All He Could Wish—Sales of Eggs Nearly Doubled.

Gouverneur, N. Y., July 3, 1899.

Editor American Poultry Journal.

DEAR SIR:—Trade in both stock and eggs has been all that I could wish the past season, and my sales of eggs has nearly doubled over that of any previous year. Have never had so good an average report of high per cent. of fertile eggs, and the reports of hatching have been exceptionally good. I have not been asked to duplicate a single sitting this season, but have done so in a few cases where a poor hatch was reported, and consider that a part of the business which should not be overlooked; the usual report has been 8 to 12 chicks, while some have reported a chick for every egg.

I have found many good customers through my ad in the A. P. J. and your paper has paid me quite satisfactorily; have had replies from most every state in the Union, and from Canada, and am selling every egg from my six matings of Black Minorcas, at the present writing. Have had all orders I could fill since April. This is the best season's trade I ever have had, in both stock and eggs. The outlook for a good fall and winter trade is bright, and I have more Minorca chicks than ever hatched before. Hawks caught a lot of early chicks, but a one-eyed Guinea hen put a stop to that. I am well prepared for the fall and winter shows, and shall try for fresh honors, to benefit "my own trade," and the prospects are good for a lively trade in stock. Wishing you continued success, I am sincerely, J. H. DOANE.

The Most Satisfactory Season in 24 Years—Egg Trade Good.

Flushing, Ohio, July 1, 1899.

Editor American Poultry Journal.

DEAR SIR:—Replying to your inquiry, would say our past year has been the most satisfactory of any in our 24 years' experience. During last winter and this spring, we sold all the stock we could spare, and had to return money, because we could not fill the orders. Egg trade was good. Sold all the eggs we would let go, and we now have a grand lot of youngsters coming on, and believe the outlook is very promising for the fall trade in young stock. Respectfully,

JOE FARMER *(Hen Crank).*

Egg Business Over 300 Per Cent More Than Ever Before.

East Lebanon, Me., July 10, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reviewing the business and labor of the season just closed I am highly pleased with the success attained. The egg business has been over 300 per cent more than any previous season. Out of this business I have only had two reports of poor hatches; these were immediately duplicated and both reported excellent hatches from the second lot. If I have a dissatisfied customer among the whole number I don't know it, and (with your consent, Mr. Editor) I wish to publicly thank the large number of my patrons who have sent me, unsolicited, testimonials, kind words and wishes. How did I secure so much business? First—In a great measure, by advertising in the American Poultry Journal; second, by attending strictly to "biz." My matings to produce this season's stock have proved better than I had dared to hope for, especially in Buff Rocks. I am going to dispose of all my Leghorns to make room for the Rocks. They suit me much the best, and judging from the demand most others are of the same opinion. Very respectfully yours,

W. H. SCOVIL.

Stock Trade Very Fair—Egg Trade Better Than Last Season—Prospects for Coming Season Exceptionally Bright.

Dillsburg, Pa., June 26, 1899.

Editor American Poultry Journal.

DEAR SIR:—Business has been very fair the past season, trade in stock especially so. Egg trade better than last season and prospects for the coming season exceptionally bright. Chicks in abundance and doing nicely. We have 199 sitting of Buff Leghorn eggs on farms, also over 500 chicks we hatched in incubators and put on farms, all of the above Buff Leghorns. We have also over 150 Buff Rock chicks at home and 75 sittings on farms. Our Buff Rock chicks show up exceptionally fine in quality.

AUG. D. ARNOLD.

A Good Trade and Great Many Inquiries Through A. P. J.

Editor American Poultry Journal.

DEAR SIR:—In regard to my ad in A. P. J. I have had a very good trade and a great many inquirers who say they saw ad in A. P. J. and some that do not say where they saw ad. If all would mention where they saw ad it would give better satisfaction to all concerned. Take it all round I am satisfied.

A. Z. COPELAND.

A Boom Season—Get Ready For the Rush.

Whitewater, Wis., June 29, 1899.

Editor American Poultry Journal.

DEAR SIR:—The past season has been a boom one in inquiries for fine poultry. Even the farmer wants his bird at head of flock scored and I even had one say he thought he ought to have pedigree and registry papers with his two $2.00 each White Plymouth Cockerels. All this makes it look very hopeful for the future and we shall spare no pains to be ready for the rush when it comes. We have the most promising lot of youngsters that it is possible to get out in the 15 popular breeds of fowls and hens and ducks. They are now out on farms and growing like weeds. We find the interest in poultry at the fairs very great among the officers and visitors. Very truly,

W. A. HOYT.

Business Unusually Good.

New Albany, Ind., July 1, 1899.

Editor American Poultry Journal.

DEAR SIR:—As much of my trade the past season is directly traceable to my ad in your Journal, I beg to thank you for services rendered and also to thank those of your readers who have entrusted me with their orders. My business in all sections of the country has been unusually large and shipments of stock and eggs have been made to some of the principal Langshan breeders. Eggs have proven very fertile and have produced magnificent youngsters, possessing size, health and vigor to the greatest degree. I have no complaints from customers, which is very gratifying. I make it a rule to ship only high grade eggs or stock

and to give value received in every instance. To this practice, in connection with the acknowledged superiority of my birds, I attribute my extensive business, and I shall in the future as in the past, make it a point to supply the demand for the best to be had in Langshans. On account of having such a large number of promising youngsters, I will dispose of a few of my high scoring winners at last season's show. I can furnish young stock in pairs, trios or pens that will be ready to show at the fall fairs, and from present indications, the trade this fall and winter will be unprecedented. Yours truly,

ADAM HEIMBERGER.

An A. P. J. Egg Order Sent 3,600 Miles.

Delaware, N. J., July 11, 1899.

Editor American Poultry Journal.

My trade through May and June was heavy and still receiving some orders and many inquiries. Made one shipment of eggs to California, 3,600 miles. I can credit it to the A. P. J. Yours respectfully, C. B. HUFF.

Stock Trade Immense, Egg Trade Light.

Sabina, O., June 22, 1899.

Editor American Poultry Journal.

DEAR SIR:—Pursuant to your request for a report of my poultry business, will say: The stock trade was immense, selling every single bird I wished to dispose of, but the egg sales have been very light. However, I do not exert myself for a large egg business. I now have 350 chicks at home and about the same number, mostly Buff Leghorns, in the hands of farmers in the country, from which I expect to again select the winners and champions of the west. Wishing you continued success with A. P. J., I am yours respectfully, RALPH H. MATHEW.

Egg Sales Good Through May and June and Still Getting Orders.

Delaware, N. J., July 11, 1899.

Editor American Poultry Journal.

DEAR SIR:—I am more than pleased with my advertisement in the A. P. J. Most every order I received through June came direct from my ad in A. P. J. I am having fine luck with my Barred Plymouth Rocks and birds much finer than ever before. Also good luck with other varieties and will be in shape to supply my customers with first class stock this fall and winter. Yours very respectfully, C. B. HUFF.

A Very Successful Year—Taxed to His Utmost Capacity to Fill Orders.

Chicago, July 15, 1899.

Editor American Poultry Journal.

DEAR SIR:—This has not been an ideal year for raising chickens, but it has been a very successful one for me.

The demand for stock in the spring was strong and I sold out before the season was half over.

Egg trade did not start until a little later than usual but I have been taxed to my utmost to keep up with orders and am afraid have robbed myself many times to make prompt shipment.

Even now I am only just able to keep up with my orders for Rock eggs.

Folks are beginning to learn that they can with good care get good results from late hatched chicks and are taking advantage of the low prices.

While I don't think eggs have hatched quite so well this year as they did last, I am pleased to say that I have only had four or five really poor ones reported to me, and I consider this quite remarkable where so many have been shipped—

Some of E. B. Thompson's Winnings.

going from one end of the country to the other.

My young stock is coming on nicely and showing very high quality.

To sum it all up, I am very much pleased with results this year. It only proves that good stock, with a first class show record backed by judicious advertising pays.

By the way, when it comes to advertising the A. P. J. is O. K. It's a modest paper, but it has a happy faculty of bringing in the orders that I like. Yours for success, C. A. DAMON.

Unusually Good—Sales of Leg Bands Enormous.

Platteville, Wis., June 22, 1899.

Editor American Poultry Journal.

DEAR SIR:—In response to your favor of recent date, I beg to say that business with me the past year has been unusually good. My sales of the "Peerless" Aluminum Leg Band have been enormous, and the very large amount of poultry printing I have sent all over the United States shows that business must be good throughout all Poultrydom. Yours truly,

B. F. HUNTINGTON.

A Very Successful Year.

Alvin, Ill., July 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—I have had a very successful year in the poultry business. My egg trade has been more than double this year what it was last and has been better than for years. Truly yours,

W. M. JAMES.

Couldn't Be More Encouraging.

Walnut Grove, McDonough Co., Ill., July 13, 1899.

Editor American Poultry Journal.

DEAR SIR:—I wish to report the most successful season of any I have ever had. Egg trade fairly good. Orders still coming at this date. Eggs have hatched good—only one sitting duplicated so far this season. Eggs at home hatched extra well. I have hatched about eleven hundred chicks and have something over a thousand alive and doing well. Young stock never was healthier or ever grew faster. Lots of cockerels growing. I will be in fine shape to furnish some extra good birds later in the season. Have several orders booked for first of August shipments. The outlook for a good fall and winter trade is very encouraging. I predict the best trade for several years. Very truly yours, O. L. KING.

Good Sales of Stock—Egg Trade Not so Good, But Satisfactory.

La Crosse, Wis., July 3, 1899.

Editor American Poultry Journal.

DEAR SIR:—In answer to yours for the results for the past season would say that I sold all ckls. and had orders for a good many more, and returned money orders which I could not fill. Egg trade has not been so very good, but still I am satisfied. I am well pleased with the results from my ad in the A. P. J.

I have 130 early hatched chicks and am well prepared for fall trade.

Yours truly, C. F. LANG.

Trade in Both Stock and Eggs Enormous.

America, N. Y., July 19, 1899.

Editor American Poultry Journal.

DEAR SIR:—My trade the past season has been enormous, the demand for both stock and eggs exceeding that of any former year since have been in the business. Eggs have hatched remarkably well as a whole, both at home and with customers. One sitting to California early in season, shipped in zero weather, hatched 10 chicks, and another later 11 chicks. Nearer-by shipments have done even better than this—a few hatching every egg. I ship a lot of eggs to Barbados today and another lot to Texas. It is late in the season, but the demand still continues. Shipped also some orders yesterday and the day before. I predict the coming season a prosperous one for all. The demand for stock has begun, and I never received so many inquiries for show and breeding birds up to this date as this year. I have a very large

lot of chicks hatched, and when all are rounded up and gathered in will be a great sight. I never saw such color and barring as the early chicks show. They are exhibition birds of the first water. I wish you much success with the American Poultry Journal, which is certainly a splendid advertising medium. It is strictly among the leaders in this respect, and brings me much business. Yours very truly,

E. B. THOMPSON.

The Beginning of a Good Business.

Covert, Mich., July 5, 1899.

Editor American Poultry Journal.

DEAR SIR:—We have kept White Wyandottes for our own use for about 12 years.

They have been so satisfactory that last year a neighbor who is interested in the poultry business advised me to keep some of my best ones separate and advertise. I did so and sold some from my ad in the American Poultry Journal.

I have about 150 now; shall hope to fill more orders another spring.

I have some I raised from eggs from Arthur Duston so as to introduce a change.

We have a large peach orchard or orchards and Mr. Packard is very enthusiastic on peaches and peach lands. I look after the White Wyandottes. Yours sincerely, MRS. A. S. PACKARD.

The Best Season They Ever Had.

Malden, Ill., July 5, 1899.

Editor American Poultry Journal.

DEAR SIR:—The past season has been the best we ever had in the poultry business, had sold all our stock before the 1st of March. Not only have we sold more birds this year, but we have had a greater demand for first class specimens at good prices. The demand for turkeys has been good, we were unable to fill half of our orders. We do not sell many eggs as we use only our very best birds for breeders, and only have enough for our own use most of the time. We have about 250 Barred Plymouth Rock chickens and 50 turkeys. The hatching season was late this year. Our first brood came off April 10. All our young stock is doing well; turkeys are doing better than they have for several years and we expect to have some good ones for the shows this winter. Yours very truly,

MYER BROS.

A Good Record.

South Charleston, O., July 7, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to your inquiry regarding trade during the season, I will say that egg trade has not been quite so brisk as in some years past, but I disposed of all my surplus stock by February 15, and I can credit the A. P. J. with the majority of my sales. My 30-word ad for 3 months sold my entire stock of White Plymouth Rocks. With best wishes for your paper, I remain very sincerely yours, H. P. THOMAS.

A Successful Season.

Casstown, Ohio, July 9, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to your letter, will give you a description of what we are doing here. Have about 180 head of choice White Wyandotte chicks hatched and all doing fine. Over half of them are pure Duston stock. Have had the best egg trade we ever had. Eggs are hatching well and no complaints. We are preparing to show this fall and winter both Buffs and Whites. Altogether we are well

FRANK HECK,

New Albany, Ind., breeder of White Plymouth Rocks, and Secretary-Treasurer of American White Plymouth Rock Club, and Secretary Indiana Poultry Association.

pleased with the season so far and look for a good trade this fall on stock. Will have a choice lot of Pure Duston Cockerels to sell after September 1. Yours,

F. R. SIMMONS.

Unprecedented.

New Albany, Ind., July 20, 1899.

Editor American Poultry Journal.

DEAR SIR:—We have had an unprecedented call for Rose Comb Brown Leghorn eggs for hatching purposes the past season; more, in fact, than we could possibly supply, having turned down orders for several hundred. And much of all this to the credit of the A. P. J., considering that fully 50 per cent of the inquiries received mentioned this worthy publication. We now have reason to believe, however, that next season, we shall be in a position to supply the greatest demand for eggs of this breed, as we have decided to breed Rose Comb Brown Leghorns exclusively, and now have nearly 200 fine youngsters that will certainly win their share of honors. We have already began to receive inquiries for show birds for the coming season, and have never had a more promising and healthier lot of chicks during the past five years, from which to make selections. Positively, we have not lost a single bird by disease this season. May tell you some other day how we accomplished this.

CHARLES M. ZINK,
With Ferris & Zink.

Has Done Well—Will Double Next Year.

Danville, Ill., June 27, 1899.

Editor American Poultry Journal.

DEAR SIR:—Received your letter making inquiry of business. I have done well and am in good shape for the coming season. Have a fine lot of exhibition birds on hand and expect to double my business next year. I have 10 acres of land in the city limits and good shade. I raise 200 to 300 Black Langshans.

Yours truly,
W. M. MAYER.

The Best Stock He Ever Raised.

Webb City, Mo., July 2, 1899.

Editor American Poultry Journal.

DEAR SIR:—Your letter received this date making inquiry in regard to business done by me this season. In reply will state: Business started well with me on my Single Comb Brown Leghorns which I handle exclusively. It bid fair to surpass any former season's business; but owing to circumstances and conditions it was necessary for me to leave Lansing, Mich., and come to Webb City, Mo., and had of necessity to cut off numerous orders and therefore business fell below the normal. My stock was the best I ever had, and as I said, business would have been A No. 1. The Journal I consider the best medium in which I ever placed an ad. Fraternally yours,

JAMES C. WELCH.

POULTRY — — —Sjostrand Egg Trade a Hummer.

Sharon, Pa., July 5, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to your letter will say that my trade has been remarkably good both for stock and eggs. The egg trade has been a hummer and is still very good. As I suppose you know the egg trade begins getting slack in July. I have about 300 as fine White Plymouth Rock chicks as I ever had eggs hatched. Had a few complaints early in the season. I had very good results from my ad in A. P. J. Had but very few inquiries but what I made sales to. With best wishes to yourself and paper, I am very respectfully,

JAS. S. HOFFMAN.

A Most Satisfactory Season—Sales More Than Doubled—Prospects for Greater Increase.

Chicago, June 28, 1899.

Editor American Poultry Journal.

DEAR SIR:—Replying to your favor of recent date, will say that the past season has been the most satisfactory since we began the manufacture of Poultry Foods, our sales having more than doubled any previous year, and the prospects are for a still greater increase the coming season, as the poultry raisers are realizing more each year the value of feeding animal meal poultry foods.

We received last week orders for two car loads, one car going to Seattle, Wash., the other to a large poultry raiser for his own individual use.

Inquiries and orders credited to our ad in the A. P. J. speak very highly of your journal as an advertising medium, and you can count on us using more space the coming season. Thanking you for the courtesies extended, we are yours respectfully,

DARLING & COMPANY.

A Remarkably Good Year—Demand for Eggs in June Never so Great.

Sharon, Pa., June 28, 1899.

Editor American Poultry Journal.

DEAR SIR:—In reply to yours of recent date must say this has been a remarkably good year for me both for stock and eggs. The demand for good birds has been the best I have ever experienced. Have made many good sales. I have never seen so much demand for eggs in June as this year. Just two weeks ago to-day I started two sitting for Scotland. Have had the best of results from my ad in A. P. J. Please continue same until further notice. Very respectfully,

J. S. HOFFMAN.

Natick, Mass., July 17, 1899.

The next meeting of the American Poultry Association will be held in Cedar Rapids, Ia., Jan. 15 to 20, 1900.

A. E. FELCH.,
Assistant Secretary-Treasurer American Poultry Association.

THE POULTRY BUSINESS FOR FARMERS' WIVES.

When I first went into poultry in earnest I had a dim idea of doing business. I had not forgotten how to do the sums in mental arithmetic, or reckon the interest on notes, and by an effort could recall from school days enough mental power to estimate the number of rolls of paper needed for my sitting room, or the yards of carpet required for the floor; but real business, such as a man encounters at every turn, or a woman, if she is the manager of an estate, I knew nothing of.

At first I tried shipping broilers to Detroit and Chicago, but the hired man took a half day in trying to make a crate for twelve. I know now that it weighed three times what it should have weighed and the express rates and the commission were so heavy that I had little remaining, and a number of loads of clover were ruined because of my unlucky crate. Then I sold some live fowls to hucksters, and soon found out that they had cheated in weights; their hook scales were an invention of Annanias himself. I could raise the birds all right, but how to dispose of them profitably was the rub. I tried shipping dressed fowls to commission merchants in cities, and received 21 cents each for large fat pullets in November. That ended the commission business for me. I doubtless would have had a round with incubator and capon branches of the business, but some very good friends of mine tried experiments along that line, and I became convinced that one woman without help, on a farm, could not sit up nights with an incubator, or make a success with capons; if one has plenty of help, not the hired kind, it makes a difference.

Then I tried a new venture. I killed and dressed for the local butcher sixteen big Plymouth Rock hens, and borrowed enough more to purchase a trio from a famous breeder. I paid double fancy express rates, and one pullet had the roup when she arrived, but without treatment (except isolation) recovered. Then business began in earnest—the selling of eggs from that trio, the disposing of surplus stock to breeders, the ordering of baskets, the arranging of the ever necessary advertisement, and the paying for it also, sharpened my wits. I soon found that a high priced ad in a poultry paper did not pay unless you had a show record, and that was beyond the reach of a woman who was housekeeper as well as poultry raiser. The ad in the local paper did but little to bring purchasers, but the state agricultural paper was more to the point. I will admit that for a time the balance, with a blue hand pointing to the words, "Please remit," made me feel like having a nervous chill, but I learned that an "ad" that is in every issue for a year is the cheapest in the long run, and that it became more valuable the longer it appears; that it increases in value with age, was what medical men call "cumulative" in action, and that after awhile the very fact that you were an old advertiser in the poultry column meant to the reader that you were not only ancient, but reliable. The hardest pull was at first. I soon learned to make my own crates and ship my birds and eggs, learned by a tough experience to let the C. O. D. customer severely alone. I learned how to make out a postoffice order or draw money from the bank without having an attack of nervous prostration; how to answer a business letter concisely and courteously, and how to deal with dudes who tried to get my best birds for half price.

I found a market among private customers for cull birds; bought a set of scales and did my own weighing; learned that the time of year to market dressed fowls is the first three months of the year, not the last, broilers excepted. All this came little by little, in the hard school of experience, but I am aware that if I should be left as many farmers' wives are—to settle their husbands' estates or act as guardian—I should not tremble at the overbearing manners of sundry officials, or have spasms because sharks tried to cheat me. Better by far than a course in a business college is a business experience humbly begun and steadily pushed to a successful issue, and this is possible to a certain extent to every farmer's wife—as well as a little pin money.—*Priscilla Plum, in Ohio Farmer.*

THE PRAIRIE HEN.

Among our native wild birds there are a few that seem worthy of domestication, as they possess economic qualities that are of value. Among these there is none that seems more worthy of a systematic attempt at domestication than the pinnated grouse or prairie hen. Its general color is yellowish red, with black markings. It has a short and rounded tail. The male has two remarkable characteristics—the neck tufts, composed of long, narrow feathers, sometimes measuring five inches in length, and the pouches of wrinkled skin along the neck for two-thirds of its full extent, which are capable of inflation, and, when filled with air, resemble quite closely medium sized oranges. This resemblance to oranges extends not only to size, but to the color and peculiar surface of the fruit. In the winter the birds congregate in large flocks; in summer these flocks break up into smaller bodies, dispersed, probably, for the better performance of the operations of hatching and rearing the young. As the breeding season approaches the males strut about like turkey cocks, dropping their wings to the ground, erecting the feathers on their neck and inflating their orange-like pouches. At this season many meet in certain places in the western part of our country, about daybreak usually, and engage in their displays to attract the females, ending in severe battles. When the sun is up the conquerors and conquered retire from the field. The pinnated grouse was once common in New Jersey and Pennsylvania, as well as on the prairies of the west, but, like the Indian, it has disappeared before the advancing wave of civilization. Its food is not dissimilar to that of domesticated poultry, or what our domesticated poultry would obtain if compelled to shift for themselves. It feeds upon seeds, berries, buds of trees and bushes, insects and the like. The flesh of this bird is good and in the parts of the country where it is rare is highly prized.

Could it be domesticated—and it is by no means impossible that it could—there would be added to the feathered stock about the farmyard a fowl with excellent flesh, a new figure to please the eye, and probably a fairly good layer. It now lays quite as well as the original bird from which the domesticated fowls are supposed to be descended, and, under domestication, its laying powers might be equally increased. In its wild state it shows more or less variation, and as variation is increased under domestication, if it were domesticated its size might be enlarged, its color and markings more or less changed, its figure modified and its prolificacy augmented. In this way its economic properties might be greatly improved, and it might be found to be fully as useful and profitable as the fowls that now supply our table with delicate flesh and eggs.—*H. S. Babcock, in American Agriculturist.*

SHERIDAN'S CONDITION POWDER in their food, once daily. If your hens are shedding their feathers and not laying, they are out of condition. All the best poultry authorities say, "when a hen is in condition she will lay perfect eggs and plenty of them. Then help them over molting time.

Sheridan's Powder

Is worth its weight in gold for molting hens.

JOHN R. JONES, of Suffield, Conn., says:—I find Sheridan's Condition Powder fed once daily in the food, very valuable for molting hens. It assists in growing new feathers, makes the combs bright red, and gives a rich, natural plumage. Costs one tenth cent a day. Nothing on earth will

Make Hens Lay

like it. Therefore, no matter what kind of food you use, mix with it daily, Sheridan's Powder.

If you can't get the Powder send to us. One pack, 25 cts; five, $1. Large can $1.20. Six, exp. paid, $5. I. S. JOHNSON & CO., Boston, Mass.

SOUTHERN BREEDERS.

Sorehead usually appears in this section in August or September though it sometimes comes as early as July. The first symptoms are dark spots on the comb and wattles. These spots grow into sores in a few days which discharge matter and in a short time the head of the fowl is a mass of sores. The eyes become closed and the matter pressing on the balls destroys the sight.

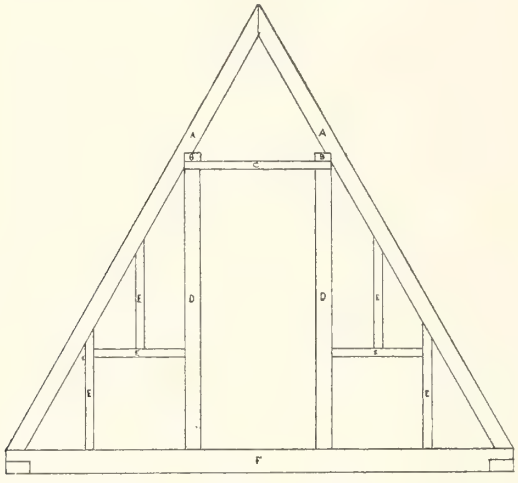
Treatment: Watch the combs and wattles every day and as soon as the spots appear catch *every chicken on the place excepting those under two months old* and apply kerosene oil to the comb, face and wattles, taking care not to put any in the eyes. Repeat twice a week until cured. If the eyes become closed open the lids and extract the matter with a small blunt stick. Feed on *very moist* meal and keep cooped until sight is restored. It is not necessary to separate the sick fowls from the rest as they will all have it. Chicks under two months old rarely have the disease, but when they do, it usually proves fatal. Don't try to cure them, it is time wasted. Keep down lice and mites, feed wholesome food, treat the disease as above and you need not fear the result. Remember to begin treatment *in time.* The above is the experience of the writer. SUBSCRIBER.

Old Spring Hill, Ala.

S. H. Bird, of Beaver Dam, Wis., has bought an eighty acre farm at Oak Center, Wis., and will go into the poultry and stock raising business more extensively than ever.

Written expressly for AMERICAN POULTRY JOURNAL by E. A. Phelps, Austinburg, Ohio.

The accompanying sketch illustrates the manner of framing a very convenient, as well as economical poultry house for one pen of fowls. For the fancier who desires to keep one or two breeding pens, or for the poultry man who favors the colony plan, such a building as this one, we think, will be found the cheapest possible manner of building a structure of equal floor space, or accommodation. A roof we must have, and in doing away with side walls, we still have every possible foot of floor space that could be had otherwise, and simply cut out of the bill of material just the amount of stuff which would be used in sides and ends. The drawing shows the front of the building, which may face south or southeast; whereby it will be seen that *both sides* of the roof receive the direct rays of the sun. This feature, together with the extreme pitch, ensures a *dry roof* at all times, and where shingles are used, they may safely be laid five inches to the weather. The building may be located in the center of the yard, or either end may form a part of same, and another large door (same as shown) cut in the other end, so one would not have to enter the yard in order to get into the building. Or, again, the large door shown as being on the south end may be done away with entirely, and placed in the north end; and in place of same a window and *small* door for the fowls may be substituted. The interior arrangement may of course be to suit your own fancy, the droppings board, roosts and nests being suspended from the ceiling. Thus every possible inch of floor space is available to the fowls. The illustration shows a building 10x10 feet on the inside, and 9 feet high under the ridge. It gives a width of over three feet from end to end, where the height is sufficient for an average man to stand erect. Every portion of floor and building is thus easily reached with rake, hoe or shovel, in cleaning out. This design shows 6x6 timbers for sills, and 4x4 and 2x4 for rafters and studding; the rafters being set, 16-inch centers, which come just right for lath, if one *prefers* lath and plaster to matched flooring. *We don't.* We would put boards on the ends, perpendicularly, and batten cracks with three-inch strips, and the bill of material given herewith is based on this manner of boarding. Should shingled ends be preferred, the same quantity of boards, laid horizontally, will answer to shingle to, but the expense is some greater. Roof boards are sheathing, laid horizontally, and tight together, projecting six inches beyond the rafter at each end, and one inch over the 6x6 sills. When laying the shingles, extend them one inch over the boards, on ends and sides. Prepared roofing may be used in place of shingles, but we very much prefer good shingles. The 6x6 sills may be set on posts to raise them six or more inches above ground, and afterward filled in with earth up to bottom of sills. If clay can be procured and put in when damp, it can be packed down hard, and once dry, forms a floor nearly as hard as cement, and nearly as good. D D, see illustration, are 4x4, six feet long, set two feet six inches apart, on top of which a 2x4 (C) three feet two inches long, is nailed, thus forming the door frame. B B are 4x4 halved, four inches back from each end, and spiked onto the 2x4 (C), as shown. These 4x4 are eleven feet long and are supported at the other end of the structure same as shown. The timbers (B, C and D) are first to frame, and put in place after the sills. These are each eleven feet long, put together as shown. A A are rafters eleven feet two inches in length on longer edge, and ten feet four inches on shorter. They are notched and spiked to the 4x4 (B), and the mitre by which to cut them is easily found, after which all may be cut after one pattern, they of course being all alike. The window openings may be obtained by setting the studding and trimmers (E E) to suit your sash. These shown are two feet square, and if more light is desired a glazed door may be used. The number of square feet of 6x6 given makes five timbers 12 feet long, one of which, cut into pieces three feet long and set into the ground, forms corner posts, upon which to nail the sills. The following bill of material is ample to complete the building as described, and by taking same to a lumber dealer, you can easily ascertain the exact cost of construction, less the labor. The construction is, however, so simple that any one at all handy with tools can easily build it:



180 square feet of 6x6-12; 72 square feet of 4x4-12; 176 square feet of 2x4-12; 300 square feet of 1x12-12 sheathing; 100 square feet of 1x12-10 dressed, fine com.; 25 square feet of 1x3-10 dressed battens, fine com.; 402 square feet of 6-in. matched floor 12 feet long; 11 square feet of ½x3 dressed, fine com.; 1 or 2 1⅜ doors, 2½x6, plain or glazed; 2 glazed sash, 2x2, or any other size. Hardware: 8 pen., 20 pen. and shingle nails, and 8 pen. finishing nails; lock and hinges, etc., about $1.50. Enough material will be left for most of the interior finishings, such as roosts, nests, etc.

A correspondent in American Agriculturist gives this method for fattening choice turkeys: In the morning feed a mash composed of corn, barley or buckwheat meal, mixed with skim milk, and a few sweet potatoes added, with some sharp grit to aid digestion. Also mix with this feed a good brand of condition powders; it sharpens the appetite, and causes them to gain flesh faster. At noon give cracked corn, buckwheat or barley, and at night give a supper of whole or cracked corn, with an occasional feed of buckwheat. Do not use new corn, as it is apt to produce bowel trouble, but feed well seasoned corn, one year old. That over one year old is apt to make the flesh coarser and not so white and delicate as that fed on nice, white one-year-old corn. It is best not to coop turkeys while fattening; they almost invariably lose their appetites and become sickly. Turkeys are very active and must have plenty of fresh air and liberty or they will not thrive. If fed all they will eat three times a day, they are not inclined to roam, but will sit around quietly and will seem to enjoy resting in the sunshine. Turkeys intended for the later markets should not be so heavily fed as those intended for sale in a few weeks. Long continued heavy feeding is not profitable and is a source of great loss among turkey growers. Turkeys should be killed at once when ready for market. If kept over this time they soon begin to lose in flesh and will prove unprofitable.

Before you pay high prices for eggs for hatching to a man whose birds took "first" or any other prize at the poultry show, make sure first that the birds he exhibited were his own, and not borrowed for the occasion; and, second, that the eggs you get are from the same stock as he used for breeders last year. There is so much borrowing of hens and cocks to make a show, and carrying them home without their ever mating with or seeing his breeding stock, that a man stands about as good a chance to go to some neighbor who has the breed wanted, and get eggs from his breeding pens, as he would to pay a high price for eggs to one who took the prizes, but whose laying stock may be below the average.—*Maine Farmer.*

National Fanciers' Association of Chicago

DIRECTORY NATIONAL FANCIERS' ASSOCIATION OF CHICAGO.

The Fourth Annual Exhibition of the National Fanciers' Association of Chicago will be held in this city January 22 to 27, 1900.

President—W. W. Hogle.
First Vice-President—L. H. Fuller.
Second Vice-President—C. A. Damon.
Treasurer—L. B. Richardson.
Secretary—Fred L. Kimmey.
Asst. Secretary—K. J. Muir.
Directors—A. E. Brown, B. F. Hedges, J. C. Pratt, Wm. Plaehn, F. B. F. Rhodes, P. H. Sprague, F. W. Ward, M. Wagner.

Regular monthly meeting is held at the Sherman House the first Wednesday in each month at 8 p. m.

THE NEXT CHICAGO POULTRY SHOW.

Editor American Poultry Journal.

DEAR SIR:—The next Chicago poultry show promises to be by far the largest of the kind ever held in the great West. The association having the success of this annual event in hand has a most efficient corps of officers who are working with untiring zeal to make the coming fourth exhibit a blue ribbon winner. This should not be such a difficult task, considering the fact that sufficient funds are on hand to meet all present obligations.

Much work has been already accomplished on the premium list in the way of specials and the committee having this work in charge is showing a determination to equal the victory of our navy in the battle of Santiago in making the list irresistible to breeders the country over. They will all have to come.

Under the new system of judging it is expected that many more Eastern birds will be out to compete for Western honors than has ever been the case heretofore.

This system will be watched for results with great interest throughout the country, and should prove most satisfactory to all concerned. One thing I like about it is that the opinion of two men instead of one is required to decide the winners. If two recognized authorities cannot place the ribbons on the best in a class, there is little hope of ever satisfying the human mind as to which is the best. Having two judges pass on a specimen should overcome many difficulties and petty misunderstandings and give us decisions that will be nearer what the standard calls for, thus adding much to the value of the prize won.

The fact that all non-winners of prizes will be scored, is a good-sized reminder that the association is going to give the exhibiters all there is in it and that no bird will go away minus a mark of its value.

It is only too true that every specimen cannot take away the much-coveted ribbon, and it is placing a very small valuation on the score card when issued from a big show in such hot competition as one meets at Chicago, to say that the score card adds double the price of entry fee to the value of any bird lucky enough to be of sufficient merit to possess one.

I am pleased to note that the management have started out to overcome errors of the past in a manner worthy of note. They declare that through no neglect on their part shall any exhibiter who comes to Chicago next January go away dissatisfied with the treatment received.

In the selection of judges they have been most careful and painstaking even to the point of getting an expression of choice from a large number of breeders in the larger classes throughout the country, and so, where possible, have secured the services of men popular with the breeders. Men well qualified to judge according to the standard of perfection.

So I say to the breeder: Chicago will surely be a most excellent place to bring your best birds next winter to enter in competition with others who will be here with their best.

And the *best* will win.

C. M. DAVIDSON.

Chicago Lawn, Ill.

CROPS FOR POULTRY.

Profitable poultry raising depends mainly upon a liberal supply of eggs in winter. Among the desirable or really essential foods for producing eggs in winter are "greens." A daily supply of some kind of green food in winter, in connection with the regular allowance of other food, adds the proper material for the so-called balanced ration. It is not generally understood what an important relation pasturage bears to success in poultry raising. It may be noticed how quickly a flock of hens confined to a yard will completely denude it of all herbage. Though many notice this, they afterward wonder why the hens cease to be as productive on the bare yards. Hens will pasture as close as sheep. The very best natural pasture for poultry is a well-established sod, where native grasses abound, interspersed freely with white clover. A first-class cow pasture is an ideal place for a poultry pasture.

On farms where business attention is given to poultry it will pay well to put in crops for both summer pasture and winter use. Good judgment will enable the farmer to readily supply the demands of his flock, and in doing so to greatly increase the ready money income of his farm. Alfalfa is destined soon to be one of the leading crops for poultry pasture. Its wonderful recuperative powers proves it to be just the plant for the purpose. It can be cut several times during a season for hay making. Poultry can be turned on it, and when it has been eaten down pretty close they may be removed and the alfalfa will soon be growing again with its usual vigor. This may be repeated the entire season.

Another crop which will become a favorite for poultry pasture is rape. The immense quantity that can be grown on an acre will make rape a great favorite, especially where there are bare poultry yards. The large rape leaves are just the "greens" to supply yarded fowls with, and they seem to relish it just as much as they usually do the early cabbage heads they find growing in the gardens. Where it can be had convenient to the poultry yard, crimson clover should be seeded in August or during the last working of the corn. This will afford a most excellent pasture during the winter, when there is no snow on the ground. The crop will also be highly beneficial to turn under in the spring, to be followed with any crop.

Among the crops desirable for winter feeding when nothing outside is available are ruta bagas, mangel wurzels and turnips. Any of these are good to feed for greens, and can also be boiled, mashed and mixed with the regular allowance of morning mixed food.

Perhaps in the near future there will be regular silos for preserving green cut clover for poultry feeding. It is doubtful, however, whether ensilage, if it has to be fed in the fermenting stage, would prove a safe or desirable food for poultry. Properly cured, cut quite green, clover cut fine and packed dry in bags, will in time become a standard product on the markets for poultry.

The sooner that farmers recognize the fact that poultry raising should be followed on the same line that dairying is—giving food and care to secure results—the sooner they will begin to reap their share of profits and become competitors with practical poultry raisers. The idea that "anything is good enough for hogs or chickens" is a mistaken one that has anchored many a farmer on the wrong side of the road to profitable farming. Nothing can be attained without effort, and the more practical and intelligent the efforts the greater the success.—*G. O. Brown, in Baltimore Sun.*

WHITE ROCK SALE.

Hope, Ind., July 21, 1899.

This is to certify that I have sold and delivered to Mr. J. W. Kern of Athens, Ind., the prize winning White Plymouth Rock cock "Prince of Indiana;" also 2 fine hens, scoring 93 and 94½. This trio of birds gives Mr. Kern a foundation for a flock of White Rocks that will make their mark in the show room. Respectfully,

U. R. FISHEL.

Adv.

A. & E. Torbex, of Yorkville, Ill., write they have had fair hatches this year, and have over 600 Silver Wyandotte chicks for next season's trade.

EGG SHELL.

GRANULATED EGG SHELL.

Perfectly Dry.

Both Grit and Food combined. Nothing like it to make hens lay eggs. Samples mailed for stamp. 10-lb. bags 50c; 25-lb. bags $1; 50-lb. bags $2; 100-lb. bags $3.75, f. o. b. Chicago. These shells are made from hen's eggs and are perfectly clean and free from odor.

F. S. BURCH & CO., 178 Michigan st., Chicago, Ill.

THE AMERICAN POULTRY JOURNAL

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Stamps can be sent for small amounts.
Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
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A REQUEST. You will confer a favor by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

All copy for advertising and manuscripts for publication should reach us not later than the 20th of the month preceding the date of issue.

AMERICAN POULTRY ASSOCIATION NEWS.

Natick, Mass., July 17, 1899.

Editor American Poultry Journal.

DEAR SIR:—The next meeting of the American Poultry Association will be held in Cedar Rapids, Ia., January 15 to 20, 1900. A. E. FELCH.

Assistant Secretary-Treasurer American Poultry Association.

Cedar Rapids, Iowa, will be the next meeting place of the American Poultry Association. The determined efforts of the fanciers in that city, assisted by prominent members in Indiana and Illinois, secured the meeting by a vote of 27, Chicago receiving the next highest on the list, viz.: 21. Other cities received the following votes: St. Louis, 7; Jackson, Mich., 5; Detroit, Mich., 2; New York, 1. We congratulate the fanciers of Cedar Rapids on their success, and feel satisfied that the members of the old society will receive a royal welcome. The dates are January 15 to 20, which unfortunately clash with a number of large shows in the east and west.—*American Fancier* (July 15).

Commenting on U. Grant Davidson's criticism of poultry breeders' methods and the ethics of trade, in the June issue, we said: "We meet Mr. Davidson's strictures on the older breeders" [we having accused them of not living up to their advertised promises] "by advising him and others to plan to *become* a fancier by constant study of the science and art of breeding for the fancy." Mr. Davidson objects to this implication of inexperience. He has bred birds ten years or more and feels that he has served his novitiate. We had no thought of wronging him by the use of that word we now place in italics. It would have been better to have used the word "continue," but that suggestion was intended to cover a wider range than Mr. Davidson's own field. While he has had a decade of experience and has already become a fancier, others are still on the way. A writer who criticises others should always be willing to accept correction, through criticism, in amiable mood. Hence this assurance that we did not intend reflection on Mr. D.'s work in the yards.

Many a farmer's worst enemies are his own lack of respect for his business, and his failure to realize the need of preparation and constant study. The law business is thought of as one requiring a great deal of knowledge and study; but a farm requires as much knowledge and study *for best results* as any lawyer's case. "You cannot take out of a measure more than is first put into it," and the amount in the farmer's measure will increase as fast as knowledge takes the place of guesswork. May nature study soon be in all the common schools.—*Rural New Yorker.*

Nothing else is so valuable as a feed for egg production as green cut bone, says Country Gentleman. Those who feel discouraged because their hens have not laid enough eggs, should lose no time in buying a bone cutter. The material is cheap, and now that the bone cutters have been so much improved, they are very easily run, and the labor is but slight. The green bone is very rich in phosphate of lime, which breeders appreciate.

WHAT IS A STRAIN?

The poultryman derives pleasure from the business and adds dignity to it by carefully fostering and establishing desirable features and qualities in his favorite breed, making the same prepotent in the blood, thus securing a greater certainty of their being transmitted to the future progeny, and until a flock of fowls can be produced which will show the improved distinguishing features claimed for it in a satisfactory degree, at least, sufficiently marked to be recognized by others who might be experienced with the breed or variety, sought to be improved, it should not receive merit for being an established strain, for the palpable reason that there would be no assurance that other stock of the same breed would be improved in that direction by the use of stock from such supposed improved strain or variety.

The following definition fully describes what the meaning of the term "strain" is as applied to certain flocks of thoroughbred fowls, viz.: one family bred through many generations by a faithful continuance of its own blood, except when it becomes necessary for the well-being of such family or strain to introduce sufficient foreign blood to maintain health and strength after which, breeding it out by drawing it from the strain itself; thus, in a yard of fowls which have been bred strictly in the family or strain, a female of blood foreign to the same may be used by breeding her to a male of the original stock selected with a view to making or preserving the characteristics already established as nearly as possible. If the progeny from this mating is satisfactory, two lines of the same family can be started by breeding a male of the one to the pullets of the other, and vice versa, after which select a male of the original stock to mate with the female progeny of the last matings.

In addition to the foregoing, it is to be presumed that the family or strain possesses one or more qualities in greater excellence than other families or strains of the same breed, which may distinguish them from the race in general, or that a greater part of the various individuals of the strain can be recognized by the same. This is the grand object for carefully preserving the same, as otherwise it would operate as a distinction without a difference, a waste of patience and care.

To what extent this faithful adherence to a certain line of breeding may be carried on, so as to perpetuate a strain, we cannot assert, but that some breeders do aim at it we are well assured. Take for example: one breeder has been breeding for a certain color or shape by this method of establishing a strain for several generations back, until he produced good color both in penciling, striping and general shape in the greater part of the flock; in fact, the individuals are so much alike in these respects that close observers recognize the same and pronounce them as such a man's stock, thus showing them worthy to be styled as a strain. On the other hand, there are those who claim and advertise particular strains of fowls which are wholly unworthy of it, and the stock produced from the same, by its irregular breeding, is a verification of the injustice of the claim. Because a man has a flock of fowls which seem to fill his ideas in several sections, it is no evidence of a carefully bred strain of fowls, as he may have picked them up from several yards on account of this uniformity, which if bred together would fail to produce t characteristics wanted.—*Fanciers' Gazette.*

A VETERAN.

The following is clipped from the Mansfield (O.) *Semi-Weekly News:*

"There is a hen in the Ninth ward that is 16 years old. She is a graded rose-comb brown Leghorn, and has been a great layer in her younger years, and last season raised a fine brood of chicks from her own eggs. The present owner obtained the hen of Paul Wingert in 1886, and she was then three years old. Sixteen years is a remarkable longevity for a chicken."

This must be the hen that Braden played with when a boy.—G.

Always crush egg shells before feeding them to hens.

When the combs and wattles of the fowls are of a bright red color, it indicates a good condition of health.

When the fowls are busy scratching, the hens laying and singing, and the cocks crowing, these are signs of good health.

When you can enter the henhouse after dark and hear no wheezing, it proves there are not any roupy fowls in the flock.

When the edge of the comb and wattles is of a purplish red and the movements sluggish, there is something wrong.

Aug. in the Poultry Yard.

1. It is not too late to hatch chickens.
2. If chickens are to be hatched with hens be careful to build the nests properly as very often the success of a hatch depends on the nest.
3. Separate the cockerels from the pullets if you want both to do well. This may cause you a little extra work, but it will be well paid for in the end.
4. Don't forget about that new poultry house if the present one is not perfectly comfortable in the coldest weather. Don't delay this matter until cold weather comes and then put it off until next spring.
5. If possible let your hens have a good range during this month. If you cannot do this furnish them with green feed of some kind.

1. If chickens are hatched during August they will be ready to grow as the cooler days come on, and it is a fact that fall chickens grow faster than those hatched early in the spring. This may be because nature wants to hurry them on before cold weather comes, but more probably because at this time insect food is plenty and the chicks get a supply of that which promotes rapid growth. I have a lot of Plymouth Rocks due to hatch August 5, and I expect to set some hens and two incubators the second week in the month. From these chicks I confidently expect to get birds that will be ready for the January shows and those that come later. These chicks will have grown up without being exposed to the burning heat of summer days and will go into the show room full of life and vigor, ready to contest for honors with those much older, with a fair chance of success.

During this month breeders will sell eggs very cheaply and the beginner with a slim purse may get a start of the best stock at a very moderate cost.

2. There is a great deal in building a nest for a setting hen. I set what hens I use for hatching in my brooder house, and the nests are fourteen inches in every dimension, with a two-inch strip along the lower front side to hold the nesting material in place. When I want to set a hen I take some fine dirt from the garden and place it in the bottom of the nest box, shaping it to fit the hen. This shaping takes a little practice. Usually the first attempt will be too shallow and the eggs will not stay under the hen. About the proper shape is spherical, like a bowl, so the hen will have a nest to cuddle down into and the eggs will naturally roll under her. On the soil thus molded I place short straws and then I put the hen on and let her get things in good shape before putting the eggs under her. Once the hen is on a wire screen is placed before the front and I know she is going to stay there except when I take her off to feed. The feeding is attended to in the morning at this time of the year and at noon in the spring, when the weather is colder. If a hen should get off her nest and the eggs should get stone cold don't throw them away. I have had a hen shut out of her nest from early in the morning until night and then get a good hatch, and this summer one hen was shut off all night and brought off eleven chicks from thirteen eggs. It pays to be careful about the nests.

3. When cockerels and pullets are allowed to run together the cockerels bother the pullets a great deal and prevent them from eating or resting. This may not seem the case from a casual glance, but if you will stay with your chicks half a day at a time you will find it true. Shut the cockerels up and they will grow better and be more vigorous, while the pullets will mature more rapidly.

4. I want to just mention building the poultry house at this time. It should not be neglected. Begin to think about plans and get it built as soon as possible. I am building one 10x80 feet which will contain ten rooms each ten feet square, which I will try to have illustrated in the September Journal. It is very simple as to plan, but it is going to be comfortable and neat looking when it is finished.

5. If your hens have been shut up during the breeding season give them a good range for the remainder of the year if possible. If you have not the range give them green feed of some kind. The kind of feed does not matter so much. It may be lettuce, rape, turnip top, chopped potatoes or any other green and juicy vegetable food that they will eat. This will fill them up and they will require less grain and meat and at the same time they will be getting into better condition all the time. A hen is a machine that produces a great deal of the finished product, and the machinery must be kept in the best possible order. When a four-pound Leghorn has produced twenty pounds of eggs or more in a year it is very necessary that she should be given every possible chance to keep in good health. A good many flocks of penned hens never do themselves much honor, because the matter of proper feed is neglected. Think this matter over and act to your own advantage.

MILLER PURVIS.

Lake Forest, Ill.

THE VALUE OF OATS.

It seems to me that the value of oats as a hen food is not as fully appreciated as it should be or more people would write about it and recommend it more instead of so many of the things that are hard to get and costly in price. For several years I have advocated a liberal ration of oats as an egg food and it is good for the little chicks, too, if it could be had chopped finer than the ordinary chop which we get at the mill. I don't know that the real grain of the oat ought to be chopped any finer, but the husk should be, it ought to be cut and not crushed and ground; there is too much waste about it as it is prepared now. The steel cut oats and the rolled oats are all right, but the farm flock don't get any of it, it makes things about the place too much out of tune for the farmer to sell good oats for 25 cents per bushel (sometimes more, but very often considerably less) and buy it back at three pounds for the same price. For a cooked food for hens we have never tried anything better than to make the bulk of the mash of boiled oats, and for growing chicks we believe there would be nothing better if it could be had in shape to be easily prepared, as it is too coarse, as it comes from the mill, to make good "Johnnie cake" or "pone," and to feed it dry or mixed with water and fed raw; there is too much waste about it. Hens that eat very much uncooked oats must have plenty of sharp grit—the raw husk is very sharp and unyielding.—*Mrs. May Taylor, in Journal of Agriculture.*

Fowls troubled with dyspepsia can be cured generally. Provide ample room for each bird, with pure water, feeding regularly a well-balanced ration, with generous exercise in obtaining food, and this will restore these cases to health as a rule.

You Can

set hens all summer and have them do well if you give them good care, and frequent dustings with Lambert's Death to Lice. You can use it freely without injury to anything but vermin.

You Can

rear late chickens at a good profit, providing you can keep them free from head lice. You can see these little blood suckers by looking closely on the top of a chickens head. Do not wait until the broods begin to droop and die. You can have a box of Death to Lice Ointment sent you by mail for 10c that will make 100 chickens happy.

You Can

keep the roosting room free from mites or spider lice with Lambert's Death to Lice Special. You can have these remedies on hand, in case you need them, without loss from evaporation. You can have your money back if they do not prove satisfactory or as I say.

You Can

get an agency for these goods, if no one else has it already in your town. You can have all the advertising matter that you can use to advantage. You can return any unsold goods at any time. You can have a sample of either Powder, Ointment or Special sent you by mail for 10c. All three for 25c. You can remit in postage stamps, (1c preferred). You can have a copy of pocket Book Pointers for 1899, free for the asking. You can feel assured that when you send me an order I will endeavor to serve you well.

D. J. LAMBERT,

Box 308. Apponaug, R. I.

GEO. H. PHILLIPS

Breeder of White Wyandottes

BOX 320, Villa Ridge, Ill.

Questions and Answers

E. P. Grantham, B. C., writes that he had one hen that was crippled by the toes drawing up to the ball of the foot and killed her. Since that time another has become afflicted in the same way. He also has a hen which is weak in the legs which sprawls about although she is not at all fat and lays regularly.

If we were to hazard a guess at the first mentioned case we would say it was rheumatism or contracted cords. In either case we cannot give a remedy that would be certainly effective. We do not think it is a disease that will cause any trouble in the flock. If the toes seem firmly drawn up it is probably rheumatism; if they are flexible it is a case of contraction of the cords that govern the action of the feet.

In the case of the hen it is probably some injury such as being jumped on by another hen. We had a case exactly similar this summer. A Brown Leghorn hen seemed half paralyzed and had difficulty in getting around for a week or so, but gradually regained the use of her legs and is now as spry as ever. We attributed her trouble to the fact that a ten pound Partridge Cochin cock was in the same flock with her.

BREEDING AGE OF COCKERELS.

A subscriber whose letter has been mislaid writes to ask at what age a cockerel is mature enough to use as a breeder and at what age the progeny is likely to be the best. He has special reference to Indian Games and Partridge Cochins.

These two breeds are about representative of the two classes of fowls, the early maturing and those slow to mature. As a rule we do not begin to use a cockerel as a breeder until he was about full grown, although he would no doubt be effective at an earlier age.

The age of the male does not matter so much as the age of the females. A cockerel may be quite young and his progeny be all right if he is bred to hens older than one year. We are inclined to think that an Indian Game at six months old would be all right but would want the Cochin to be two months older.

The best chickens we ever had were from a cock that was four years old, but that particular cock was the best bird of his kind we ever owned. If the breeding of the fowls is all right and the hens fully matured the chicks will be all right if the cockerel is quite young.

INCUBATOR VENTILATION.

GENTLEMEN:—I have a home-made incubator that is a good one, has a good regulator and all complete, only I would like to get some information in regard to ventilation; how would be the best plan to ventilate? Would it do to put air holes below and above? Am heating with hot water. Hoping for a reply,

J. E. G.

Freistatt, Mo.

Reply—Our correspondent says his incubator is a good one and that must mean that he has got good hatches from it, as that is the only test by which we can know whether an incubator is good or not. If he gets good hatches he would better not worry about ventilation. If he means he can keep the temperature right in his incubator but has not yet tried it the question of ventilation is the most important one that he will find in his incubator experience. We made an incubator once and got good hatches but did not settle the question of ventilation. We put two half-inch augur holes in two opposite sides just below the bottom of the tank and one through the center of the bottom. Finally we corked up two of the holes on the sides leaving one at two opposite corners. The question of ventilation and moisture is an important one and it is hard to separate the two. The more the air circulates the more moisture needed. Our incubators have very little ventilation and we use very little moisture. We do not believe in the active circulation of air through the egg chamber of an incubator. Fresh air should constantly be supplied but the movement should be slow. The process of incubation liberates carbonic acid gas and this being heavier than air falls to the bottom of the egg chamber and thus gradually fills up until it finds some opening through which it can escape. This gas is deadly, and if the egg chamber is tight enough to hold it, will kill the embryo chicks. This fact makes it necessary to have an escape through the bottom of the egg chamber, but we would make this small, not more than as large as a one-fourth inch augur. We are not final authority on this subject and these remarks will not be agreed to by some incubator makers we know of.

HOW TO PREPARE FOWLS FOR THE SHOW ROOM.

As the show season is drawing near perhaps a few words of advice to novices will help them considerably in getting them into the front with the veterans, for the many shows we attend we as judges can tell nearly on first sight of a bird whether it belongs to a veteran or a novice. The veteran exhibitor's birds seems to know what purposes they are sent to the show for; they invariably show themselves off to the very best advantage. One thing is certain, and that is behavior, and some of them if they had the power of speech I believe they would ask us not to cut so hard for defects they inherited and so could not control, but give us good credit for our sense of behavior. The good birds in good hands get the best of training and care, and often help very materially in getting the best scores obtainable, hence the necessity of novice's giving their birds good attention before sending them to the show room.

Our usual way when an exhibiter was to lay out our plans for the fall shows, to take our best Asiatic cocks and hens out of the breeding pens about the first of June, and first thing done would be to pull all broken feathers out of their feet, and in eight or nine weeks they would have good presentable foot appendages. For no matter how well a gentleman be dressed, if his shoes are not in keeping with the other outfit the gentleman don't rank very high in our opinion of him. And so it is to a very large extent in Asiatics. There is no very large difficulty in having birds with nice presentable feet, even if we could not control the other parts of plumage, but veterans can control and do to a very large extent the plumage of the bird. For instance, by taking the cock away from the hens at that time, the cock bird will be generally in good plumage, and by shutting him in a small covered pen about four feet square the heat of a July sun will not bleach and sunburn the feathers. And if none of his tail or body feathers are broken, there is not much possibility of him soiling or breaking his feathers if kept cleanly in his coop. The hens may remain in breeding yards for a few weeks longer, but the feet want attending to at the same time you attend to the cock's feet; that is, broken feathers removed. And if legs are inclined to be scurvy a little sulphur and lard and hot water and soap will soon show the good effects of cleanliness, and probably the cock bird will throw all his feathers off in a hurry, or will hold his feathers just as good as he is on the first of June or perhaps better, having got a new suit of clothes. But in any case those birds so treated win nine out of the ten prizes offered at the fall show.

The novice—and I am sorry to say some remain novices a long time—comes along with his birds, the hen with half the feathers off the back, the feet with probably not one whole feather in either foot, and she had been pretty dirty, and he tried to wash her, and instead of washing the dirt out, he had washed it all fast into the feathers on the surface, and then after the judging is over you may hear him ask if those birds of his are not pretty good birds. "They won first in New York or in Philadelphia last winter, and I paid a long price for them and they have not even won a third prize, and they won first at some large show, at least the breeder said so; do you think I was swindled?" The same thing came under my observation at Detroit this fall, and I looked at the birds, and I remembered judging the cock at Philadelphia as a cockerel last winter shown in the pink of condition. In Philadelphia he was shown just as if he had come from Worth, of Paris, and shown in Detroit as if he had just come from the licensed chimney sweep, who had to give him a couple of weeks' rest after sweeping chimneys with him all summer. Mr. Editor, you remember some of the veteran birds in Detroit, and as B. N. Pierce said in his Monthly, he never saw birds at that time of the year in such grand condition; nine-tenths of the prizes fell to the veterans, and the reason was plain; their birds had been cared for, and were shown in the best possible condition at that time of the year, while the novice birds in a two weeks' show began to show the extra care they had been having, and instead of them suffering from over-showing began to feel as if they would like the show to last longer. Though they did not get much petting and admiration from even their owners or the public, and as this rule works so good in the fall, it does in a great measure help to win the prizes in the winter.

I give your readers an instance which came under my own observation. I sold a middle-aged gentleman who is quite an expert in his own line of business a trio of White Cochins; he came to my place and saw the birds and he bought the best by all odds.

About three weeks before the show he said I want to win first over you. I said all right; you will if you keep them clean. He says, I'll do that. But before the show came off he wrote to me, saying they had got dirty and he would have to wash them. I gave him full particulars how to wash, and did hope he would win, and so he washed, and I took down another pair, expecting to win second against him. Well, he brought his mother to the show so that she could see him win, and his mother was to take home the long-looked-for first prize tickets. After I had done cooping my birds,

STANDARD BUFF COCHINS, BY F. L. SEWELL.

he introduced his mother to me and she had been looking round the show. And she says, it won't take much of a judge to tell your birds, for I could go and pick them all out myself, though I'm nearly seventy years of age, and I was never at a chicken show before. I said how would you? Why, she says, your birds look as if they had just come out of a milliner's shop, and our James' birds look same as if you had been sweeping out the chicken coops with the chickens. Well, James' mother undertook to do the washing, and soon James' birds got their proper place at the exhibition, and the best birds won simply by being in show condition. Now, is it not surprising when novices have so many cheap instructive poultry papers, which have all told dozens of times how to wash and prepare birds for exhibition; one would almost think that no birds would find a show room but that were fitted, just as breeders of other stock have to fit up their exhibits or else quit showing, saying they were disgusted by the judges being partial, when the whole blame rested entirely with the exhibiter. A man is not a fancier who would not take the trouble to wash his chickens, and when he won't try to learn the simplest part of showing chickens, you cannot count on him ever becoming a veteran.—*Sharp Butterfield, in Fanciers' Journal.*

AN ADVANCE REPORT.

Of the Splendid Condition of White Wyandottes on the Plainfield Poultry Farm, Plainfield, N. J.

The Plainfield Poultry Farm, at Plainfield, N. J., is a hive of industry, providing one is allowed to call a poultry farm a *hive*. This immense poultry farm is indeed planning for a big business. S. B. Corby, the manager, says: "We have thousands of the most promising youngsters that we have ever raised. There has been a wonderful demand for our White Wyandottes. We have many orders booked all ready for fall deliveries, sent us by those who have foresight enough to order their birds for the fall and early winter shows, before too many others have had the opportunity of selecting from our flocks."

The success of this concern is secured and increased in addition to the good management of Supt. Corby, by the quality of stock it produces and sends out. It is just that kind of stock that induces customers to order again the next season.

If you noticed that a few of your hens did better as layers last season than the others, place them by themselves, and purchase a full blooded cock to place with them. You will find that all the pullets from this flock will be much better than the succeeding ones. This is the way to breed up a flock of useful birds.—*The Indiana Farmer.*

Nests built into the house, and hence hard to keep free from lice, are not without great possibilities of "tired" birds.

C. F. LANG.

C. F. Lang, of LaCrosse, Wis., whose portrait we present herewith, is one of the leading breeders of S.-c. Brown Leghorns in Wisconsin. He has bred them since 1887, and brought them nearly to perfection, as he has had cockerels scoring 95; pullets, 95¼, and hens 94, by prominent judges. For the past five years he has been superintendent of the poultry department of the LaCrosse Inter-State Fair, also superintendent for three seasons of the LaCrosse poultry show; has also judged the poultry of the LaCrosse county fair for three seasons, and has the engagement again for the coming fair of both places mentioned above. Mr. Lang writes he has about 150 April hatched chicks, and they are very promising. You may hear from them the next poultry show at Chicago. His stock has a large range in the Mississippi river bottoms, where they have fine foraging for insects, and are growing like weeds. They are healthy and no roup or lice ever bothers them. Birds mated up in the breeding yards get the same range in rotation. Mr. Lang has long been a valued and reliable advertiser in A. P. J., and it is with the feeling of introducing a friend that we present this fine portrait of him. Mr. Lang is fully entitled to the fullest confidence of A. P. J. readers.

—o—

H. S. Burdick, of Rome, N. Y., the veteran breeder of Buff Rocks, has a change in his ad in this issue which will be found on the back cover. Wherever Buff Rocks are bred the fame of Mr. Burdick is well known, and buyers can make no mistake in ordering stock from him in order to improve the quality of their yards and to secure prize winning stock. Mr. Burdick offers this season's breeders at prices that are right and guarantees square treatment. He has a great many promising youngsters and can fill your order to your entire satisfaction.

Variety of food is wanted to keep the flock healthy.

B. G. SMITH, Elmira, N. Y., White Leghorns, White Wyandottes.

SUMMER MANAGEMENT.

Hot weather subjects are in order now, and one to which many a breeder gives more than one thought is the comparative merits of chicks raised on farms and those raised in the yards of the village breeder. That expression, "farm-raised," which appears so often in advertising pages, causes many a village breeder to envy the man who has a farm to which he can send his chicks, and to long for the time to come when he can at least arrange with some farmer to grow his chicks for him on some satisfactory basis. The allurement in that term "farm-raised" as applied to fowls has been felt by about every man who has ever attempted to raise show birds on a village lot, and it is only after actual experience in sending chicks to farms to be raised that one realizes that there are two kinds of farm-raised chicks, just as there are two kinds of town-raised chicks.

Although I never had any reason to complain of the results of my efforts to raise high-class birds on a good-sized village lot, I could not get over the longing to have some farm-raised chicks. At last an opportunity to let a part of my flock to go to a farm about two miles from my home came and I gladly availed myself of it. Those sent were the oldest and consequently the pick of chicks, and in my mind I often pictured them returning in the fall the best-grown lot I had ever raised. I have no fault to find with the farmer who took those chicks. He cared for them as well as the average farmer would have done, but a more disappointed man than I was when those chicks came home in the fall would be hard to find. A fox had diminished their number by seventeen, which of course was an unavoidable occurrence; but what caused the keenest disappointment was the fact that, while they were older than the ones I kept at home, they were not as well grown. They were also as wild as hawks, and as a result of these conditions were not ready to exhibit as early in the season as the ones I raised at home, nor did they begin laying as soon.

The deductions derived from my somewhat unsatisfactory experiment in this direction teach me that the village breeder who does not aim to raise more than 150 or 200 chicks, can by good management raise them more satisfactorily at home, if his lot is of fair size—say from half an acre to an acre in extent. This statement may be qualified by saying that the contrary may be the case if one could be sure of placing his chicks with a farmer who would care for them as carefully as the owner himself would, but a chance of this kind is so seldom met with that it does not enter very largely in the calculations of the breeder who has had any experience in farming out chicks. After trying both methods, I am strongly of the opinion that it is far better for a breeder to raise just as many chicks as he has room for on his own land, caring for them as only the true fancier will care for them, than to attempt to raise a much larger number, with the assistance of some farmer who knows little about the ambitions of a genuine fancier, and to whom a "chicken is a chicken," and nothing more.

SUMMER CARE OF YARDED BIRDS.

As to the summer treatment of chicks kept on the village lot an excellent corps of writers have time and again told how to go about it. Suffice to say that with a fair amount of yard space, the most necessary aids to success are a proper diet and cleanliness. Prepared meat foods and cut green bone must be depended on to take the place of the insect ration with which chicks supply themselves when permitted to roam over a large tract of land. Green food they must have, and it is easily supplied by raising lettuce, kale and cabbage, and if one is so situated as to make it possible to always have one of the yards sown to rye.

Cleanliness is one of the conditions most easily complied with if one never allows filth to get a start, and one of the most difficult to overcome once it becomes established. The removal of droppings at frequent intervals, the constant use of whitewash, kerosene oil and lice powder about the coops and houses will enable one to overcome one of the greatest obstacles to successfully rearing of chicks on a village lot. Cleanliness means good health, good health means good appetite, and good appetite means a rapid and satisfactory growth, something that every fancier knows is an absolute necessity if he would successfully compete at the shows. Indeed, the utility breeder and the fancier alike are after the same results in this respect, and if they are attained there is every reason to believe that the prize winners raised in this way will be just as valuable from a utility standpoint as would those be which had been raised with no attention to the requirements of the standard.

My own experience thoroughly supports this view of the case, and hereafter the breeder who advertises his birds as "farm-raised" will add nothing to their value in my opinion. Birds which have been raised by the methods dictated by experience and common sense are good enough for me, no matter whether they were raised on a 160-acre farm or on a half-acre village lot.

EFFECT OF SUN AND SHADE ON COLOR.

Another hot weather subject is the effect, if any, that sun and shade exercise on the color of the chicks. There are those who flatly assert that unless black chicks are raised in yards where they will be well shaded, no considerable number of perfectly colored birds can be raised, as purple bars will take the place of the green sheen so desirable. Others assert that without shade white birds are certain to be brassy. As far as the color of white birds is concerned, I know very little, having confined my efforts to produce prize winners for several years to a solid black breed. I have found, too, that it takes a long time to demonstrate the correctness of a theory, and I do not feel like disputing the assertion that a green sheen can only be produced on black birds when they are kept from the sun. At one time I was certain that such was the case, but last season a number of birds raised where little shade was furnished gave me some of the finest colored specimens I have ever had and caused me to think that perhaps the opinion I had held on this subject might be wrong.

We know that the coloring pigment of flowers is affected by the sunlight, and it seems to be reasonable that in fowls the pigment may be similarly affected. On the other hand, the coloring pigment in animals, such as horses, cattle, dogs and cats, does not seem to be generally affected by sunlight, about the only noticeable effect being the fading of some of the darker colors when exposed to the sunlight for extended periods. The subject is one that can be studied with interest, for color goes a long way when

one is trying to produce chicks that will bring home blue ribbons. I am experimenting in this line this summer with a view to demonstrating the actual effect of sunlight and shade on black fowls, and I hope some of the breeders of white fowls will do likewise. History of the experience gained by such experiments cannot fail to be of much interest to breeders generally.

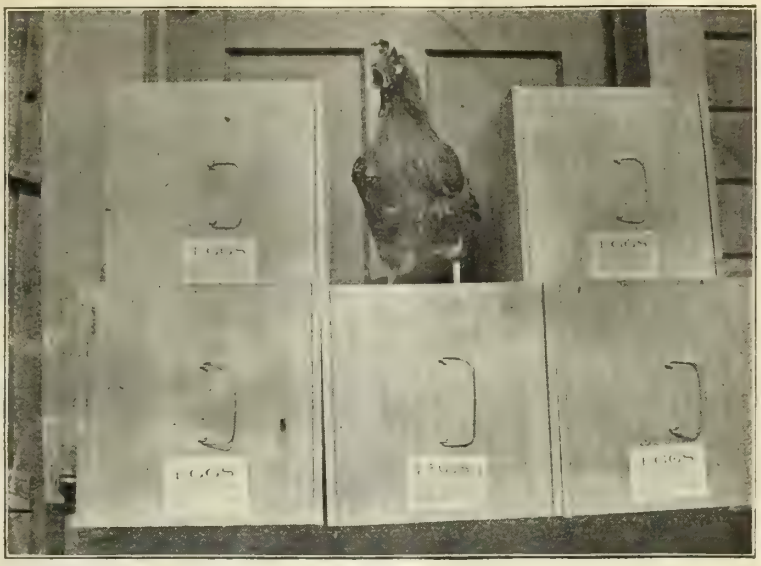
THE PROBLEM OF "SPORTS."

Another phase of the color question that is somewhat puzzling is that which deals with "sports." I have bred black birds for years and never until this season have I had a white chick hatch. This season I have had two pure white chicks hatch, one of which, however, died when only a few days old. One was hatched from an egg laid by a hen that has never failed to win first wherever shown, with a score of 95½ as a hen. This is the second season I have bred from her and she was mated with the same cock she was mated with last season. The other sport was hatched from an egg laid by a high-scoring pullet entirely unrelated to the hen that laid the other egg, but she was mated with a cockerel that was a son of that hen. The sport promises to be a typical Langshan, and if possible I shall try to get some breeder of White Langshans to experiment with him as a source from which to secure some new blood. Of just what value such an experiment will be I do not pretend to know, but I am of the opinion that a sport of this class mated with a typical Langshan female of the white variety will produce chicks uniformly white in color and give to the breeder a most valuable line of new blood.

INTRODUCING NEW BLOOD.

This suggestion regarding the use of a sport as a means of securing new blood leads me to speak of an experiment I have been conducting with new blood. I have for years believed that the proper way for the fancier to introduce new blood in his flock was by doing so through a female. By this method I had always met with excellent results, but, being of an experimental turn of mind I determined to try a male bird for this purpose. To carry out my plan I finally succeeded in securing a male that in form, color and other characteristics fulfilled my idea of what a typical male of the breed should be, and a year ago he was mated with one hen—a high scoring prize winning hen of extraordinary merit. The experiment was a success in every sense of the word. From that mating I secured five pullets that scored from 94 to 96 in actual competition and two cockerels that scored 95½ and 93½ respectively.

I do not pretend to say that the average breeder can go out and simply pick up a male of new blood and cross him promiscuously on his females and get a flock of chicks that will be uniform in type. I do believe, however, if the right kind of judgment be used in the selection of a male bird, and then used again in the selection of a single female to mate with him, that there will be no danger whatever in introducing new blood through a male, and that the result will be as satisfactory as it usually is by introducing it through a female. I may be mistaken, but my experiment was so thoroughly satisfactory that I shall follow it up with others on the same line when the occasion arises, and if they do not confirm the opinion I have reached from the success of the first experiment, I shall take pleasure in saying so publicly and telling the reasons why.



500-Egg Shipment of Brown Leghorn Eggs to Robin's Island, Clayton, N. Y., from the Empire State Farm, Lawton's Station, N. Y.

Such experiments and the publication of the results are of the utmost value to fanciers and too many of them cannot be made.—*Henry L. Allen, in Reliable Poultry Journal.*

ON TURKEY REARING.

FIRST PRIZE ESSAY IN A RECENT POULTRY COMPETITION.

I have had a good deal of experience in rearing turkeys, and find that with care I very seldom lose my birds.

Living pretty far north (Cumberland) near the sea, where there is little or no shelter, I am never anxious for my birds to be hatched very early, and my first eggs are always brought out and reared under either Dorking or cross-bred fowls. I have two reasons for hatching under hens; first, it gives me the chance of more turkey eggs; and secondly, I can protect the chicks much better from the cold storms of the early spring when they are with a hen. I generally give the hen eight or nine turkey eggs, and on hatching put her into an ordinary wood coop, with a wood bottom (if bad weather), and a small wire run to fit the front; this I place facing the sun on a good clean grass run, and am most particular to move my chicks once (or more frequently twice) a day so that the ground never gets soiled.

If there is any wind, I close one side of the run with either a board or old wrapper, and on a wet day I always cover the top of the run, so that they suffer very little from bad weather, and always have plenty of fresh grass and air, two most indispensable things for the first week or ten days.

I give hard boiled eggs, finely chopped and mixed with bread crumbs, alternately with bread soaked in boiling milk, and I also give chopped docks and buttermilk to drink, every morning, taking great care to keep the vessels clean and sweet, and never allowing the food to get sour.

I feed my birds three times a day, and only give what I think will be eaten up at once. After the time specified I give scalded Indian meal, wheat, and eventime a little boiled rice, and discontinue the eggs, but still give the bread and milk for one month or more.

Should the weather be fine, I let the chicks out at about the month end. This spring I had my first brood six weeks in the run, after which I allowed them to go free with the hen, only cooping at night for fear of rats, and in fine weather I always substitute one side of the wire run, in place of the wooden door, which gives more ventilation, and keeps the birds healthier.

I make a hard and fast rule (if at home) to feed my turkeys myself every morning, as by so doing, I see at once if any of the birds are ailing. If ever you see a turkey refuse its morning meal, you may be quite sure it requires attention. Sometimes, when five or six months old, you see one lagging behind the rest, and either refusing food altogether or just pecking a few grains, then walk away. Taken in time this state of affairs is soon remedied. Catch the turkey and put in a warm, dry building, and mix half a teaspoonful of lard, or unsalted butter, with a half a teaspoonful of cayenne pepper, and make it into small pills with a little flour.

These pills I give at night, and feed very sparingly next day. The following morning the bird generally goes out all right and quite ready for breakfast. Should this not be the case, I have often given half of one of Carter's Little Liver Pills with good effect.

I have six turkeys hatched late in August, but should not advise anyone to go in for them so late in the year, as they are a lot of trouble. About a month since they began with gapes; but after applying creosote and oil with a feather to the throat, they very soon improved.

I fatten my turkeys chiefly on Indian corn, scalded Indian meal and boiled potatoes, and the home-grown corn for a change, and get them up to twenty-two pounds dead-weight at Christmas. I rear my chickens in the same way and on the same food, with the exception of the docks, and am generally pretty fortunate.—*E., in English Rural World.*

When more than fifty fowls are kept it will be best to divide into separate flocks.

EXCLUSIVE ARTIFICIAL INCUBATION.

The question has been suggested whether the general and continued use of incubators and the consequent persistent disuse of hens for hatching, will not tend to lessen and perhaps ultimately destroy their natural inclination to set, thus eventually rendering all breeds practically "non-setters," and compelling us to adopt artificial incubation whether we will or not.

We have never considered the subject from this standpoint, and are not fully prepared to say either that there may or may not be some occasion for the apprehension. We all know what unnatural results have sometimes been accomplished by breeding; some of them carefully sought after, and others reached incidentally, or accidentally, but none the less wonderful. Take, for instance, the duck, whose fondness for water is proverbial, and yet when bred year after year and for generations solely for rapid growth, and deprived of water except for drink, that they may lose no time or flesh in unnecessary exercise, but give their undivided attention to attaining a weight of five or five and a half pounds at nine or ten weeks old, this natural desire and liking for water and swimming accommodations and privileges sometimes seems to have been so thoroughly bred out of their very nature that we have known of instance where, as an experiment, they had to be forcibly driven into the pond, and instead of remaining there and enjoying it, they acted like so many old hens, frightened nearly out of their wits, and took the first opportunity to get ashore, and made the best of their way home. They know nothing of aquatic delights, personally, nor had they ever been told of them by their parents who were equally ignorant on the subject as themselves. Neither had their unsophisticated ears been regaled with any traditional "tales of the ocean," from their grand or great-grandparents; consequently they seemed in blissful ignorance of everything except their humdrum life of confinement, eating, drinking and growing, which to them was doubtless equivalent to "eating, drinking and being merry."

Now this instance, and similar ones, of unnatural results from peculiar modes of breeding, may seem to be pointers in the direction of our querist, but we can hardly regard them as anything more; and in corroboration of this opinion, we may point to our strain of Plymouth Rocks, which of course naturally belong to the class of good setters, but for many long years every hen found in the nest on the last trip of the attendant through the houses at dusk, was supposed to be there for no good purpose, but was seized and condemned as a setter, and as violating the rules of the farm, and summarily cast into prison (of which institution we have a miniature one in each apartment of every poultry house on the place) to be liberated again in three or four days, or upon making a suitable apology and promising to sin no more. But yet, after this thorough treatment, lo these many years, the only visible effect in the direction of the non-setting theory is, that in our strain, this propensity to set is much more readily and quickly broken up, than it would otherwise have been, and that they resume laying almost immediately. Probably the majority of them, if permitted to set, might not stick to their setting long enough to hatch, although during every year some two or three of our pullets will manage to steal their nests somewhere in the bushes, and hatch a brood of chickens, more or less numerous, in spite of skunks and other nocturnal enemies who delight to steal the eggs almost as fast as laid. We cannot therefore lose any sleep in apprehending that the continual use of incubators, and the disuse of sitting hens will so discourage "biddy" from availing herself of her high prerogative, as to materially affect any poultryman now meandering on the surface of our planet. —*W. H. Rudd, in Poultry Monthly.*

BUFF LEGHORNS.

Though the Buff Leghorn has been admitted to the Standard only a few years, we seldom hear it spoken of as a new breed.

With its first introduction it found high favor and its advancement was very rapid; being now generally distributed over the whole country and always represented in all our poultry shows, it cannot longer be claimed a new variety, as the term "new variety" is now generally understood to mean one which is scarce, or which is awaiting the verdict of public opinion as to its merits or demerits.

The poultrymen of America long ago passed judgment upon the Buff Leghorns and their verdict has been a most splendid approval of the merits of the fowl.

The breeders who have taken up the Buff Leghorns hang to them most tenaciously, backing them almost wholly upon their ability to breed almost perfectly true and upon the fact, that as a commercial fowl they will pay a handsome profit for meat and eggs at everyday market prices.

No fowl ever finds great favor in America that is not a practical farmer's fowl. The farmer never figures prominently in the introduction of a new variety, because he is not a fancier; because he always regards every new thing with great suspicion, and because the average farmer believes thoroughly that the fowls he has are the best; no matter what grade of mongrels he may have, he considers them superior to his neighbor's and to the thoroughbred. I have seen them repeatedly at the many shows which I have attended stand before the winning Wyandotte pen and declare that they had better ones at home, which only proves the old adage: "Where ignorance is bliss 'tis folly to be wise."

But setting all this aside, the practical fowl reaches the farmer in the end. It usually takes years for it to become generally distributed among them, but it "gets there just the same."

Before the farmer can possess it the variety must become plentiful and be pretty thoroughly distributed among the fanciers; prices must also work down to a scale so low that he thinks he can afford it, for our farmers are not educated to fancy prices, no matter what the quality of the fowl may be.

Once he does take hold of it he is willing to swear by it and he will be as slow to relinquish it as he was to take it up.

The Buff Leghorn is now working its way to the farmer's hands, and, as a consequence, it means a long, continued demand for it, which is very encouraging to the breeders of the fowl.

It means a large volume of trade, at fair prices, from every section of the country; a good, healthy demand, coming in a steady and continued flow, which is far preferable to the booms and reactions which attend the introduction of some new varieties.

The Buff Leghorns will be for many years one of our leading general purpose fowls. To all who prefer a buff fowl they present especially strong claims.

They are quick growers, can be hatched the latter part of June and fore part of July and will begin to lay the following December. Ours the past season have laid better than ever before and for three weeks in zero and below weather shelled the eggs out as if nothing had happened.

GEO. M. BARNES.

Battle Creek, Mich.

TO DESTROY RED SPIDER LICE.

A writer in the Reliable Poultry Journal gives the following effective method of destroying red spider lice:

The red spider, or little red louse, is, however, an entirely different insect, and requires a different treatment. It is, in fact, a chicken bed bug, and to be easily and successfully combatted should be so considered. Whitewashing is a good thing and useful in many ways, but is not an entire success as a remedy for these lice, as many can testify. The simplest, cheapest and surest way is to catch them and burn them. This is no joke. Excepting sitting hens, these lice ordinarily trouble chickens only at night, however greatly infested the premises may be, returning to their hiding and nesting places in the perches or walls before the chickens leave the roost. If they find sufficient accommodations on the perches they will not go to the walls. And there is where to catch them.

Have the perches readily removable and provided with holes or crevices on their under sides for the lice to hide in, and have the chickens roost on the perches only. This done and the lice are caught. To destroy them remove the perches, saturate them with coal oil, stand them on end and touch a match to their lower ends. Do this two or three times, once in two days and two or three times once a week, and it will thoroughly rid the worst infected premises in less than thirty days. Infested walls will furnish a few lice for some time from the nits left in them. But especially in warm weather this source is soon exhausted, and as the first firing or two of the perches destroys the bulk of the lice their further depredations are not serious.

From setting hens these lice never go to their hiding and nesting places at the same time. Therefore the above plan cannot be applied to these. The application of insect powder or whitewash here is simply to prolong the agony. The cheapest and best way is to apply heroic measures at once. "Break up" the hens, send them to the roosts, burn the nests and if possible, give the eggs to clean hens, first carefully wiping the eggs with a damp cloth. Otherwise feed the eggs to the pigs. Better this than to continue the nuisance.

Soil bears an important relation to color of leg and feather, and no breed is more susceptible than the Barred Plymouth Rocks. If you want yellow legs look well to the soil conditions.—*Maine Farmer.*

Feed liberally, feed a variety, but do not overfeed.

B G. Smith, Elmira, N. Y., Rose and Single-comb White Leghorns and White Wyandottes.

COLOR OF BUFF COCHIN BANTAMS.

The exhibition cock should be a rich dark orange, not red; one uniform shade throughout, including tail and flight feathers, when the wing is opened out. The fluff should also be solid buff, not white or dusky, which is often the case. White or black in the flight feathers or tail is a serious defect, more especially white, and a cock showing this defect should never be retained as a stock bird, for in all probability a great percentage of the produce would be useless. The hen to match the cock should be of a rich golden buff, just a shade lighter than the cock; or, to be more definite, should correspond as near as possible with the breast color of the cock. This is also a capital guide in mating up the breeding pen. The color should be even throughout, not paler in breast than in body color, but one rich level buff through, free from white or black, and buff in undercolor of fluff as well.

From outward appearance a bird may seem a solid buff, but when examined carefully may be found slaty in fluff, sometimes almost black. The flight feathers when the wing is opened out may contain more black or white than buff, and the tail likewise. It is, therefore, really necessary in judging buffs to examine each specimen carefully for these defects, which are often hidden by outward appearances. In mating up buffs preference should be given to a male bird of the darker shade, providing he is pure in flights and tail, especially free from white, which is highly important.

When I say a darker shade, I don't mean a red or dark cinnamon, but a rich, deep orange buff of a level color, not dark in saddle and pale in breast, the richer or deeper in under color or fluff the richer will be the color of the produce; this is one of the most important features in buff breeding. The bird may appear to be an excellent top color, but on examination his under color may be white or nearly black, both of which is detrimental to producing satisfactory offspring.

The hens to match this cock should be as rich and level in color as possible; don't breed from pale mealy hens, or those showing a mixture of white in the feather, and above all, avoid those white in flights or tail. My selecting a pen as described, say not more than four hens and a cock, exhibition specimens of both sexes can be produced from the same pen. Unlike most varieties of Bantams, the Pekin does not attain perfection until after the second year, as it is not fully developed until twelve months old. They can be hatched as late as July with success, and by hatching late the size and length of legs are reduced, both important features in Pekins.—*P. Proud in American Stock-Keeper.*

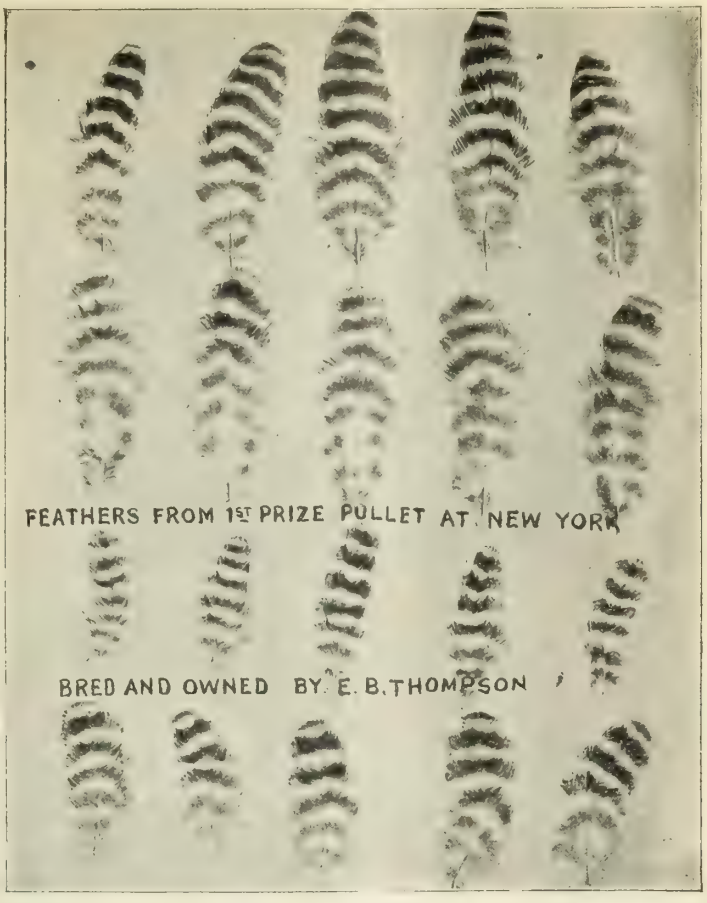
EFFECTS OF FEED ON EGGS.

Any one who has observed eggs closely has noticed that some eggs have what poultrymen call greater consistency than others. That is, out of a dozen eggs bought at a store half may have thick whites and yolks that stand up in an almost hemispherical shape when broken and turned out of the shell, while the other half will have whites and yolks so thin that they will spread out thin and wide and be almost flat.

This is the effect of the feed given the hens producing the eggs. Hens that are fed on milk and grass and allowed to pick up their living about the manure pile produce eggs with thin yolks and whites, and these eggs are invariably insipid and tasteless, and when boiled or poached are not exactly appetizing. There is a flavor about such eggs that is not altogether pleasant in any case and often it is positively repulsive to one who understands that this flavor comes from eating impure feed.

Take a lot of hens and feed them milk and grain and their eggs are firm and consistent, and they have a flavor that makes them relished by the most fastidious. The grain furnishes the mineral constituents and the albuminous portion, in connection with the milk, and the combination is one that makes good eggs. Hens fed exclusively on grain do not produce eggs of the best flavor, but their eggs are infinitely better than those from hens that must depend altogether on themselves for their living.

The quality of eggs depends altogether on the feed the hens eat, and where this is understood, consistent eggs are valued as being worth twice as much as those lacking consistency.—*Farmers' Voice.*



Barred Plymouth Rock Feathers from E. B. Thompson's 1st prize pullet at New York.

Evidence of unusual prosperity in any local industry is always pleasing, and such seems to be attending the manufacturing business of J. A. Bennett & Sons, makers of "The $5 Champion Brooder." From a very small beginning this business has grown to no mean proportions, being quite a factor in the local industrial world. The demand for "brooders" is usually over for the summer at this time of the year, but this firm's workmen are still busily engaged in putting together these handy chicken houses, while the order book shows several more weeks of work ahead. So far the firm has sold 4,800 brooders, and the machines have found their way into every state in the Union, and into nearly every country in the world. It was only last week that an order for a goodly number was received from Chili, South America. As soon as the firm is able to catch up with the orders at hand, several thousand of the brooders will be made to supply next season's demand. For several weeks seventeen men have been employed in the firm's building on the Brooklyn side. Among the hundreds of testimonials which have been received are those from many of the states' experimental stations, speaking of the device in highest terms of praise. The "chicken raiser" is the invention of John E. Bennett, and he is arranging to patent some proposed improvements. The firm also intends to commence the manufacture of incubators next fall. The *Free Press* heartily wishes J. A. Bennett & Sons continuance of their phenomenal success.—*Gouverneur (N. Y.) Free Press.*

Houses that are low, dark, with cracks in walls or roof, either too much or too little glass, are not the ideal homes for paying hens.

High roosts and dropping boards are the cause of many a case of bumble-foot.

B. G. Smith, Elmira, N. Y., White Wyandottes, White Leghorns—Rose and Single-comb

THE HEN AS A MANUFACTURER.

HER WONDERFUL EGG PRODUCT—POSSIBILITIES OF THE GRAIN CROP.

MRS. BIDDY LAYMAN.—In these days of trusts and corporations, and when it is no uncommon thing to have half a billion of capital advanced in a single week, the manufacturers seem to think that they are the very salt of the earth. Their figures are large, but we wish to introduce a humble little friend, who "lays" over them as a manufacturer, in every sense of the word. Mrs. Biddy Layman is a philosopher, a poet, a chemist, a manufacturer, and an all-around good citizen. Our manufacturers think they are doing a great thing when they take from the earth crude iron ore, and crude copper, or other materials; when they go into the forest, and cut down the trees, and with these materials fashion the articles that make society warm and comfortable. They never create anything, however; they are mere handlers. Their work stops short of adding the vital forces of life, or of creating food with which to nourish these forces. Mrs. Biddy Layman excels them both in the care and quality of her work, also in its extent. She will take a bug, a weed seed, a few blades of grass, a piece of oyster shell, a few scraps of food that humans have thrown away, and in 24 hours, turn them into that most marvelous of all creations, an egg. It is marvelous, because it contains not only a balanced ration of animal food, but it also contains life, the wonderful forces of heredity; all these are packed within its perfect shell, and all created and put together by our industrious little manufacturer, the hen.

SHE LAYS CITIES.—We seldom stop to think what an egg represents. Think of our little friend, gathering, mixing and putting together in organic form, 650 grains of water, 125 grains of fat, 108 grains of lime, 80 grains of albumen, 26 grains of sugar, and 10 grains of ash. Hold up an egg, and examine it critically, by the side of a modern watch, or by the side of some marvelous bit of machinery, and if you are honest, you must admit that the hen has excelled them all, not, perhaps, in inventive genius, for the first hen laid eggs, perhaps, as well as our modern birds. There is no animal mixture under the sun so intricate, so compact, so full of power and force as the egg. Go through New York city at dinner time, and you will find thousands of working men eating egg sandwiches for their dinner. Fried eggs between two pieces of bread and butter provide a large share of the motive power that is raising the buildings in our modern Gotham, paving the streets, erecting palaces, and adding to the pride and wealth of the city. In other words, the hen is laying some of the great buildings, and some of the marvelous monuments of industry that shall live for coming generations to admire and attempt to copy.

HER BIG JOB.—But what is the extent of the hen's job? Most creators that perform delicate work of this character, do but little of it. As a rule, genius is not coupled with extensive product. Let us see about this, in connection with the hen. The picture on this page shows one of our own black hens, between a bag containing the grain food for one year, and a basket containing one year's work. The hen weighs about five pounds, but the bag contains 60 pounds of grain mixture. The basket contains 140 eggs, the total weight being 20 pounds. In other words, this 5-pound hen consumes, on the average, one-sixth of a pound of grain per day, during the year. She turned that grain into 20 pounds of eggs, besides making a fair growth of flesh and feathers, and leaving fertilizer enough to produce one bushel or 60 pounds of potatoes.

Starting from the shell with 1½ bushel of wheat, the pullet will grow to henhood, lay her 140 eggs, and present her owner with a five-pounr carcass of the most nourishing meat to be obtained. With this record, it is time for the cow, the sheep, and the hog either to hang their heads in shame, or retire to some quiet country, and go into training for a better record. I have said that one bushel of wheat will feed a hen for one year, with what bugs she can scratch and what worms she can dig out of the ground, in an ordinary inclosure. If we are prepared to feed clover or Alfalfa in connection with the wheat, or if we will let the hen run at pasture, and give her a chance to graze, she will save for us, at least one peck of the wheat. But take the record as it stands, and suppose that every American hen can do as well as ours. A record of 140 eggs is called a poor one by many of our experts, but let us take that as an average.

HENS AND WHEAT.—Here we are bragging about our great grain crop, and how we are feeding the world on bread and meat. Last year, this country produced 530,149,168 bushels of wheat. Let us suppose that wheat was fed entirely to hens, and that the hens did as well as our hens have done. Do you realize how many eggs that would make? It would represent 74,229,883,520. The average export value of eggs in New York, last year, was a trifle over 16 cents per dozen. They are worth more than that with us; but take that average value. The eggs produced from the wheat, on this basis, would be worth the enormous sum of $954,268,502.40. As sold for food, this wheat was worth $428,547,121; in other words, our little friend, the hen, would turn the wheat into a manufactured product, which would more than double its value. Last year we produced in this country 1,902,967,933 bushels of corn. It is said that injurious insects destroyed over $100,000,000 worth of crops last year. If these bugs could have been fed to hens, in connection with the corn and the wheat, with what grass would otherwise have gone to waste, our estimate is that the 2,433,117,101 bushels of corn and wheat would have produced $4,379,610,781.80 worth of eggs. We never want to hear another word said against the possibilities of the little hen as a manufacturer, in the face of these figures.

GREAT FIGURES.—Why, do you understand that all the railroads in this country, from Maine to California, have a capital stock of only $5,453,782,398? Our little hen could handle the corn and wheat of the country, so as nearly to buy half the railroads of the country in one year! The gold and silver questions have stirred up the world for a number of centuries. The experts tell us that there has been produced in the entire world, since the discovery of America, or from 1492 to 1898, $9,220,725,400 worth of gold. Our little friend, the American hen, will take the wheat and the corn and the bugs of one season, and buy more than half the gold product of the world for over 400 years. In the same 400 years, the world has produced $10,793,437,100 of silver. Give the American hen, in addition to the corn and wheat, the 698,767,809 bushels of oats, the 66,685,127 bushels of barley, and grind up for her, the scrub horses, mules, cows and other cattle that are at present running their owners in debt, and in three years, she would buy for Uncle Sam, all the gold and the silver that have been dug out of the earth's surface, since Columbus sailed across the briny ocean. Why, the total exports of all manufactures for 1898, amounted to only $290,679,354. The little American hen will take the American bugs and the American oat crop and pay for all these exports, and have enough left to pay the salaries of all teachers in the country, buy the Philippine Islands, pay for all the gold dug out of the mines of America, and have nearly enough left to pay every pension for 1898. All hail the American hen! She is the greatest manufacturer on the earth's surface! Let the cow, the ox, the sheep, the hog, the mule, and their higher brother, the man, take a back seat, and take off their hats every time they hear the hen cackle, and pass with reverent step, the hen's nest.—*H. W. C. in Rural New Yorker.*

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Editor American Poultry Journal.

DEAR SIR:—I see a good deal in the poultry papers about the score card and comparison mode of judging. I want to put in my claim for the score card system. I would not advise any young breeder to exhibit at a show that does not use the score card. I claim the judge cannot do justice to a specimen unless he takes the bird in hand and properly goes over every section, for if he does not do this he is liable to give first to a disqualified bird—that is, a bird that foreign feathers disqualify. Unless he handles the bird he is liable to not see them. If the bird is handled he can score it as quickly as by comparison. What record do I get unless I win a prize in a comparison show. Suppose the prize winner would only score one-quarter point more than my specimen, how would I know it? If my bird was almost as good as the prize winner I could make the same known by the score card system and I would also know that my mating was successful. With the comparison system I would not know whether I was gaining in my experience of mating and breeding. Now I claim that this is where the young breeder gains his lessons in the properly mating and breeding of fine birds. I for one would not show at a comparison show if I wanted to see how I was progressing in my mating; neither would I buy a bird because he won in a comparison show, as he might not score 90 points. Now, if I buy a bird that is scored I know just what I am getting. If he is cut on comb, I know it; if he is cut for color, I also know it; if he is light in weight, I know it. So you see by the score card system we know what we are getting or selling, and by the comparison system we only know he won. So give me the score card. I hope to see all our good shows using the score card system of judging. E. F. PIERCE.

Port Clinton P. O., Ohio.

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The Muscovy duck, says an exchange, is one of the largest of the duck family, and is very hardy. Crossed with the Pekin or Aylesbury breeds, a superb fowl for market results. The cross-bred birds are sterile and the eggs do not hatch, which indicates that the Muscovy may not be a true duck. Their eggs require the same length of time for hatching as do those of the goose.

CREAM FROM A POULTRY SCRAP BOOK.

"All food for little chicks in the form of grain or meat should be cooked."

"Little chicks can be raised on cracked corn alone. But, at four weeks old they will not be any larger than they should have been at two weeks and at maturity will be from one to several pounds under weight."

"And why? Because corn, raw corn particularly, is in no way constituted to supply the wants of a growing chick."

"Would you think of feeding your week-old calves or colts on corn?"

"Their first meal should be dry oat-flakes or rolled oats."

"Their second meal should be dry oat-flakes or rolled oats."

"And the first two days nothing else save plenty of fresh water, sweet milk and quiet."

"Then bread and milk; then bread sopped in meat broth; then millet seed and cooked meat; then cooked small grains of all sorts; then dry grain all they will eat kept in a hopper."

"Do not place the coop at this season of the year in the hot sun, a shade is better; and at a big distance from any any other coop or fowls."

"Let the old hen out every day it does not rain."

"Look for lice morning, noon and night."

"Kill off all the weaklings at once as you discover such."

"Don't use any old tin can or pan for a water vessel."

"Tin is no fit thing for a water dish; earthen ware fountains are much better; such as can be easily and quickly cleaned."

"Little chicks will never be subject to gapes if moved at once to ground uninfested with the gape worm."

"This usually means ground on which no fowls have ever run."

"A good and simple preventative is to feed the chicks a full breakfast on food they relish the minute they are let out in morning and before they had a chance to pick up any earth-worms. Also prevent as much as possible the chicks finding worms, but never coop them; better run the risk of a few gape worms than to confine your chicks."

"A food that chicks over a week old greatly relish is cooked oat flakes."

"The brooder is all wrong for summer use and is far inferior to the old hen."

"The brooder is far ahead of the hen for winter and spring use."

"Raising chicks especially in large numbers with hens early in the spring is always a failure, and always a big success if you can get onto the knack of running a brooder successfully; which means in this climate almost unceasing attention."

"A young chick's necessities are warmth, light, pure air, clean water, a variety of food and clean quarters."

"The good brooders are those that can be easily and quickly cleaned out and that can be properly ventilated. Almost any of them can be kept warm enough, but I think some of them are harder to clean out than they should be and I am very sure only a few provide proper ventilation."

"Bear in mind that young chickens are forming flesh, muscle, bone and feathers at one and the same time. No one food will answer for all these requirements, especially corn."

"The diet of young chicks cannot be too varied. Feed them liberally but never enough at one time to clog their appetite."

"Keen appetite, and good health are boon companions in the poultry yard."

"Be careful that all chicks get their share. If some fail to get their share they surely develop into runts. Don't feed the large and the small ones together, anyhow. Have separate coops and separate places for each size."

"Crooked breast bones are always caused by roosting too early. Crooked backs are sometimes caused by overcrowding but generally by some vicious hen giving the chicks a peck in the back."

"If a cat catches chickens, use the shot gun if she belongs to an outsider. If she happens to be the family pet tie one of her victims very securely about her neck. Fasten it very tight and well for she will make incredible efforts to get rid of it. Be firm and the cat is cured and will never again desire to touch a chicken."

"The weakling chicks make good rat bait in combination with a little arsenic or strychnine. No rat can resist dining on a freshly killed chick and, put in their runs just at dark they are sure to fint it."—*W. Theo. Wittman in American Poultry Advocate.*

WHITE PLYMOUTH ROCK PULLET.

Score 96½ by Felch. Winner of first and special for highest scoring bird in the show at exhibition of Southern Indiana Poultry Association. Bred and owned by Frank Heck, Sec'y Treas. American White Plymouth Rock Club, New Albany, Ind.

BREAKING UP SETTERS.

Some find the breaking up of setting hens a very difficult thing to do, and they really think they have to torture the hen in order to make her abandon her desire to brood. We have known poultry men and women to duck the hens in water several times and then turn them loose; have known hens to go about with hoods on so they could not see, and to be shut up in dark places without food or water for a week or more. It is not necessary to resort to cruel methods to break up a hen that yants to set. What is wanted is to turn the desire to set into the desire to lay again. It will be but little advantage to have them broken from wanting to set and have them lay four or five eggs only to again become broody, which they will do if they are not cared for as they should be. The reason for this is that the conditions which caused the hen to become broody have not been changed by force. When a hen becomes broody it means that the egg-producing capacity of her system, for the time being, has become exhausted and that recuperation is needed. The first step to such recuperation is rest, and being naturally an industrious bird they feel that they may as well raise a brood while resting as to fool away their time. Some animals and birds may be stimulated to do that which is not natural for them, but is it best? The tired horse may be urged on by the aid of a whip.

AMERICA'S YELLOW POULTRY.

It is an odd fact that the great American poultry consuming public is greatly prejudiced in favor of the yellow-legged, yellow-fleshed fowl. That it is merely a matter of fashion, or fad, is amply proved by the fact that in all other countries the preference is given to the white-meated birds. France is recognized as authority upon the edible qualities of all the foods devoted to the use of man, and in that sunny land the Houdan stands pre-eminent. They have been bred for generations for the express purpose of use as a table delicacy. They are a bird of medium weight and large breast predominance; being small boned and fine fleshed, with a small amount of offal, they are a profitable carcass for the consumer to purchase. In the great Paris markets huge piles of dressed Houdan and La Fleche fowls can be seen at the numerous stalls. These are reared in small flocks by the villagers adjacent to the city, and sold to professional dealers who make the daily or weekly tours.—*Inland Poultry.*

BARRED P. ROCKS
Exclusively.
My stock is a combination of Bradley Bros. and E. B. Thompson strains, grand in size, color and shape. Also two pens headed by prize-winning cockerels of that magnificent Knoxville strain. Every bird in my yard is a grand individual and of the best blood in the world. Eggs, $2.50 per 15. Stock sold on approval.
L. H. EDWARDS, Lafayette, Ind.

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BREEDERS

W. WYANDOTTES, R-c. Brown Leghorns. Eggs from choice matings $1.50 per 15, straight. Correspondence a pleasure. Circular free. Ed Hippert, Box C. 491, Kewanee, Ill. 2-99-1yr

FAIRVIEW POULTRY YARDS. C. A. Sparks, proprietor, North Topeka. Kans., breeder of B. P. Rocks exclusively. Eggs from pen 1, $1.50; pen 2, $1 per sitting of 15. Leffel strain. 4-5

W. A. BOOKMAN, Hooker, Ohio, breeds S.-c. B. Leghorns, W. P. Rocks and W. H. Turkeys of the finest quality. Eggs, $2 per 15. Turkey eggs, $3 per 11. Stock for sale. Satisfaction guaranteed. 3-99-1yr

EGGS $1.00 per setting of 13, warranted from the very best of stock, Light Brahmas, Barred and White Plymouth Rocks and Partridge Cochins. John Hamilton, Box 221, Cuba, Ill. 3-6

GAMES—The first prize cockerel at Chicago (1898) heads my yard of Red Pyles and a 94½ cockerel my pen of Black Breasted Reds. Circular free. F. E. West, Darlington, Wis. 2-99-1y

PURE BUFF Wyandottes, line bred and bred to win. "A large, fine bird, good in color, shape and comb," says a noted judge of our first prize cock, the foundation head of our strain. Eggs, the kind you want, $2 50 per 15. Catalogue free. H. W. Boles, Deerfield, Utica, N. Y. 3-99-1yr

PIGEONS as large as crows. Large English Runts that will measure 33 to 40 inches from tip to tip. Also Homers of the best Belgian and American strains. J. M. Riel & Son, 122 Cortez st., Chicago, Ill. 4-99-1yr

BARRED ROCKS—Exclusively, Thompson strain. Choice selected cockerels, pairs, trios and pens at low prices after Sept. 1st. My six yards of one-year-old breeders for sale now. Satisfaction guaranteed. H. E. Kipp, Red Hook on Hudson, N. Y. 7-3

KLONDIKES! New breed; chickens can't fly; beautiful and valuable plumage. Grand early hatched stock for sale. Low introduction prices. Cut and description free. Wm. R. Black, Bolivar, Ohio. 8-3

LIGHT BRAHMAS, White Rocks, English Cochins. Young stock bred from our winners, fit to win in hot company, for sale. Our motto is "quality." Specialty Breeders, Box 306, Middletown, Ind. 8-3

S. H. BIRD, Oak Center, Wis., breeder of Black and White Langshans, Pea-comb White Plymouth Rocks, Buff Rocks, Buff Leghorns and White Wyandottes. Show birds for fall fairs now ready. 8-3

PIT GAMES, Bull Terriers, Steel Gaffs. Stags cheap—can't get runs for all—cocks, hens and pullets. Same as I fight myself. Write me. W. P. Sloan, Knoxville, Tenn. 8-3

FOR SALE

FOR SALE—At $1 a pair—A fine lot of Pouters, Fantails, Jacobins, Tumblers, Homers, etc. Overstocked and must have room. F. P. Fergason, 415 Hickory st., Owosso, Mich. 7-3

EGGS $1—Barred and White Rocks, Black Javas, Minorcas, Light and Dark Brahmas, Black, White, Brown, Buff and R-c. W. Leghorns. Pens of above for sale cheap. Incubator $10. J. Stevens, Webster City, Iowa. 7-2

EGGS For Hatching from prize winning Plymouth Rocks, (Thompson) Buff and Partridge Cochins, $1.50 per 15. Send for circular. Address, Will Allen, Greenfield, Ill. 3-6

FOR SALE or Exchange—Barred Rocks, 1 Light Brahma cock, B flat Cornet, E flat Alto, and Fox Terriers, for Buff Cochin Bantams or offer. Geo. J. Gleason, Elburn, Ill. 6-3

FOR SALE—Protect your poultry and get rid of rats and all-night prowlers by purchasing a Fox Terrier dog of J. O. Walton, of Chelsa, Ia. He also has Large English Berkshire hogs for sale. Everything registered. 8-3

FOR SALE—A 3-s ctional pipe Prairie State Brooder in good repair, only $5; cost four times this amount. Am out of the business. L. A. Sevits, Penneld, Mich. 8-1

FOR SALE—Cheap—My this year's breeders White Wyandottes, M. B. Turkeys, Pekin Ducks and White Guineas, if taken at once. All pure bred. C. E. Brooks, Evansville, Wis. 8-3

FOR SALE—5000 Ferrets, Poultry, Pigeons, Pheasants, Rabbits, Guinea Pigs, Cats, Dogs, Goats, Shetland Ponies. 2c stamp for circulars. Address Col. Joseph Leffel, Springfield, O. 8-3

FOR SALE—Good cockerels from fancy strains Barred and Buff Rocks; low prices to close them out, only $1 each. Good selections of pullets at bargains. John Baynes, Salem, Ind. 3-tf

FOR SALE—Old and young birds, standard bred, low prices. Write for description and prices. Buff Cochins, Blue Andalusians, Brown Leghorns, Silver Wyandottes, Buff Plymouth Rocks. J. H. Price, Robinson, Ill. 8-3

SPECIAL OFFER.—One sitting of eggs free with a small order for poultry supplies. Eggs from 15 varieties of pure bred fowls. Send for fine catalogue. Oak Grove Poultry Yards, Platteville, Wis. 9-98-1yr

FOR SALE—S. S. Hamburgs, Houdans and Mongolian Pheasants. Eggs for hatching $2 for 13, $3.50 for 26; Pheasant eggs $4. for 15. Photo-pamphlet of prize winners mailed free. Horicon Poultry Yards, Horicon, Wis. 9-98-1y

PIGEON SALE—Pouters, Jacobins, Tumblers, Magpies, Fantails, Homers, Nuns, Blue English Owls. L. R. Brakel, Plymouth, Ind. 6-3

EGGS $1—Barred and White Rocks, Black Javas, Minorcas, Light and Dark Brahmas, Black, White, Brown, Buff and R-c White Leghorns. Pens of above for sale cheap. Incubator $10. J. Stevens, Webster City, Iowa. 6-3

FOR SALE—Eggs from heavy-weight Felch Light Brahmas, Langshans, winners of silver cup and many specials; Barred Rocks, of the deep blue-barred kind; S-c. B. Leghorns, winners wherever shown, $1.50 per 13. N. S. Curtis, Iowa Falls, Iowa. 6-3

HARES—Belgian Hares from 50c to $1.50 each; standard color, standard bred. As fine a litter of Scotch Collie Shepherd pups as there is in America. Send stamp for catalogue. B. H. Westlake, DeKalb, Ill. 6-3

FOR SALE—Barred Plymouth Rocks and Black Minorcas, Thompson, Hawkins, Knapp and other fine strains of breeding birds. Pullets and hens only. (Cockerels all sold.) Also eggs for hatching from thoroughbred fowls at reasonable prices. A. M. Zabriskie, Aurora, N. Y. 6-3

MISCELLANEOUS.

NATURE'S OWN HEALER—Elbert's Meadow Herb Ointment, price 15c, is a perfectly harmless herb medicine. A generous size box at a price easy to spare. Send for circular. Robt. J. Witz, Burlington, Iowa. 7-3

WANTED

BOARD WANTED—German gentleman wants room and board for $15 per month on farm with refined people where he can learn chicken raising. Mr. Cain, 473 Dearborn ave., Chicago. 8-1

FOR EXCHANGE

FOR EXCHANGE or Sale—2 Bull Terrier pups, 4 months old and warranted to be dead game. Wanted a double barrel shot gun or offers. Lumley's Pigeon Loft, Pittston, Pa. 7-3

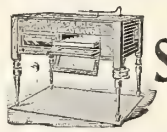
CORNISH INDIANS EXCLUSIVELY.

Stock all sold until after June 1st, but am offering eggs from extra fine matings at $2.50 per 15. Half price after May 1st.

F. D. BENNETT, Galena, O.

REMEMBER that Spring Run Poultry Yards of Dr. W. A. Crum & L. A. Logsdon, Carey, O., have as fine lot of young chicks and geese in W. & Buff P. Rocks, W., S. & Buff Wyandottes and T. & E. geese as can be found in U. S. All bred from their famous winners, ready for shipment any time. 150 yearling breeders at $1 per head. Send for catalogue, mention A.P.J.

95% HATCHES



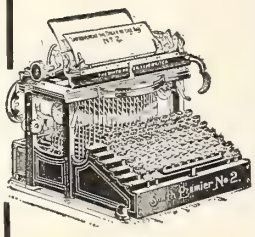
are often reported by those who use a

SUCCESSFUL INCUBATOR

One reason for this record is absolute uniformity of temperature in egg chamber. Correct instructions for operating; has fire-proof lamp. Will hatch every egg that can be hatched. Send 6c. for new 148-page catalogue. Filled with hen information and plans of poultry houses.

DES MOINES INCUBATOR CO.
Box 1, Des Moines, Iowa.

Our Best Friends



are the long-time users of Smith Premiers. The more hard work turned out, the more apparent is Smith Premier Durability. Repair bills are reduced to the minimum. Smith Premier capacity for good work all the time is unequaled.....

Ask for Art Catalogue.

THE SMITH PREMIER TYPEWRITER CO.
154 Monroe st. - Chicago, Ill.

Two For 75c

We will send

Reliable Poultry Journal and American Poultry Journal,

both one year for 75 cents. The regular price of each is 50 cents and you save money by sending us your subscription.

American Poultry Journal, Chicago, Illinois. U. S. A.

CAPONS AND THEIR CARE.

Turning the Surplus Male Birds Into Market Fowls Par Excellence.

When one's main object is to raise capons for market, he of course wants the larger breeds, but we think it pays to caponize cockerels of any breed intended for the market. The larger breeds can be successfully caponized from the time they weigh two pounds till about the time they commence to crow. Some chickens even of the same breed develop sooner than others, so the operator must judge from observation more than age, but it is better not to take them too young, as you are more apt to have slips, and the chick is less able to stand the operation.

When ready they should be confined without food or water for twenty-four to thirty-six hours. Do not chase or excite them any more than possible. It is better to have them in small quarters so they can be easily caught. In operating if you follow the instructions given in the book accompanying your tools, and your tools are good ones, you will have no trouble after a little experience. After the operation put the fowls in a park or room alone, give soft food and pure, fresh water. They will eat with a relish if all right. It is best to keep them by themselves for a day or two, so that the other chickens cannot crowd them, although we sometimes turn them out soon after feeding, or the next day.

My husband cuts the comb, wattles and spurs at the time of operating, cutting the spurs before the caponizing, and the wattles and comb afterwards. We have so far this year caponized over fifty, mostly Leghorns, as they mature so rapidly, and we have not lost one, better than we did with the first fifty last year. Treat your capons the same as other growing chicks. Let them have plenty of range, the farm if you have one, and give them as good growing food as circumstances will allow you, or the same as any chick. You will not know the difference, except that next fall you will miss the crowing and chasing.

When the capons are in condition to market, in full feather, as then they are free from pin feathers, confine in quarters alone and fatten for ten days or two weeks. We feed a mash of mornings composed of cornmeal mostly, with a little bran and ground oats and meat scraps. As the rest of their food is mostly whole corn through the day, they relish the mash. We also feed a few vegetables. We endeavor to get them to eat all we can, but do not keep it lying before them, as they lose their appetites to an extent if we do.

They must be kept perfectly healthy, with no bowel trouble or scaly legs if you wish them to bring first-class prices. When ready for dressing, fast them for twenty-four hours. Then lock the wings, hang by the feet, and with a sharp-pointed knife cut the vein in the roof of the mouth. Then sever the brain by sticking the knife in the slot of the throat and into the base of the brain. The bird then drops its feathers and loses feeling. Commence now to dress. Leave the tail feathers, around the vent and an inch or so up the back, also those on the wings to the first joint and about half way up the thighs, and those on the head and about half way down the neck. Look at a picture of a dressed capon and you can easily tell which of the feathers should be left on.

My husband does all the killing and rough work. I do not even look on, but I do the finishing work, that is, even up the feathers where they are to be left on, remove the pin feathers and wash out the mouth, removing all clotted blood. I wash all the blood from the head, and also wash and dry the feet. We hang them up by the feet to cool. Then there are no dents on the bodies. After they are thoroughly cool (not frozen), we pack in boxes, breast down, wrapping the heads in paper. We smooth the feathers the right way, and when we have to do any doubling, turn the head to one side. We use boxes lined with paper, that when filled will weigh about one hundred pounds. This size is convenient to handle and goes at hundred-pound rates.

The capons we sold last year were all shipped before and during March, so you see we did not get the high prices paid in April and May. It is not convenient for us to keep them that late.

Now this letter may be like the old lady's cake recipe—"A handful of this and a pinch of that," etc., and to gain any information you will have to be present at the cake mixing. One thing of importance I forgot to say and it is this, be sure to kill the lice on capons when you commence to fatten them. One good dusting with insect powder will do the work usually.—*Mrs. B. F. Hislop, in Reliable Poultry Journal.*

———o———

Even in winter it is better to have the nests in a separate place from the roosts.

Boston Show, '99.

White Wyandotte class LARGEST and BEST ever shown in the world (233 birds).

Duston Again Wins the Lion's Share

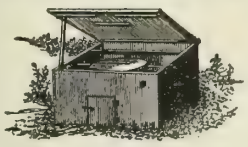
26 Regular and Special Prizes.

including 1st and 2d cock; 1st cockerel; 2d pullet; 3d hen, &c. Special for best cock and 4 hens. best 5 cockerels, best cockerel and 4 pullets. SILVER CUP for Largest and Best Display, and others.

EGGS *—$3 per sitting: 4 sittings $10, or $15 per 100.*

Those wanting only the best should write me.

ARTHUR G. DUSTON, Box 1020, Marlboro, Mass.



The Best Clover Meal in the World

is that manufactured by the Jordan Milling Co. (*It is pure clover.*)

The Best Brooder on the Market

is the $5 Prize Brooder, acknowledged by all to be the best. Send for sample of Clover Meal and Catalogue.

JORDAN MILLING CO., Jordan, N. Y.

EGGS in abundance from 3 pens each breed and prize-winner matings.

BUFF P. ROCKS, 15 for $3; 30 for $5.

From prize pen.

And from pens Nos. 2 and 3, 15 for $2.

LANGSHANS, 15 for $2 . . . . All exhibition Stock.

Buff males score 92½, 92, 92. Females score 93½ to 91½.
Langshan males score 94, 94½ and females to 95.
Cup winner under Felch. A few cockerels for sale.

S. E. McINTOSH, Hardingsburg, Ind.

WEST LIBERTY, IOWA, SHOW.

The fair to be held at West Liberty, Iowa, Sept. 12 to 15, will pay $1.00 for first on single birds and 50 cents for second. With a very conveniently arranged poultry house and an expert judge to award the premiums you cannot afford to miss this show. The exhibit should be one of the best seen at any fair in the state. Parties wishing to exhibit their poultry need not hesitate to send same plainly addressed to Superintendent A. H. Floyd, who will see that the same is properly taken care of and taken from the express company to the poultry hall and returned after the show is over. Express must be prepaid, but no charges for handling poultry to and from the grounds. Don't miss this opportunity to exhibit where premiums won carry honor to the exhibiter.

Address W. H. Shipman, Secretary, West Liberty, Iowa, for premium list.

———o———

W. H. Eaton, of Jackson, Mich., writes that eggs from his pen of Buff Leghorns hatched good and chicks are strong of growth and show fine even buff color. He says he will have some show winners sure, and will also have some fine young stock for sale this fall.

———o———

Fowls must have exercise when confined. To provide this, scatter the grain food in the litter on the floor and force them to keep constantly at work scratching for it. This will insure a free circulation and perfect digestion.—*Feather.*

RHODE ISLAND REDS.

Rhode Island Red Fowl have been in existence for twenty or thirty years. They have been a favorite stock on the Rhode Island farms, and have been kept for egg production. They were originated on the farm and until lately have been bred only by the farmer. Like the Plymouth Rock and Wyandotte, now so popular, they are a combination of other breeds and from similar ancestry, having descended from a mixture of Malay Game and Cochin China or Shanghai fowls. They may also contain some American Dominique, and Brown Leghorn blood, but they have been bred, about as they now are on the farms, for a score of generations.

While the flocks on farms run quite uniform as regards size, hardiness and business qualities, there is much variation in minor characteristics and considerable variation in color. Birds having single, rose, and pea combs, are also found in the same flock. Deep reddish yellow legs and skins predominate, and the majority have clean legs, although a certain proportion are apt to have feathers on shanks, varying in degree from a little down to one-third or fourth as much leg feathering as the average Brahma.

Their color is between that of the Brown Leghorn and the Buff Cochin, and the females are somewhat like the females of the Indian Game-Light Brahma cross. A certain proportion of the pullets still come with the mahogany color and general markings of the Malay female, even where two-thirds or more are a deep reddish bay color throughout (with the exception of the slight dark lacing on neck hackle and black in tail). In some flocks the majority of the females run almost a faded light yellow, while the males are not very much darker. In others they go to the other extreme ,and have much black in wings, neck, and brown penciling or mottled feathers on breast or back.

However, the clear dark red birds are the favorites, even with the farmers. A few town breeders have made selections of these and bred to vastly improve them in uniformity of color. Some have bred only from single-comb birds, and discarded all others. Others have bred each separately, but frequently the single and rose comb birds sold are bred from the same pen.

As Rhode Island Red stock has been largely drawn on in building the modern Buff Plymouth Rock and Buff Wyandotte, and as birds suited to this purpose sold more readily and brought the most money, the tendency among some Rhode Island Red fanciers has been to breed out all dark lacing in hackle, as well as the black in tail and wings. Judges at exhibitions have also favored birds of this sort. This has caused some strains to lose these general and distinguishing characteristics of the Rhode Island Red, and left it no ground on which to stand, in the fancier's eyes, except as a feeder of material for Buff Plymouth Rocks and Buff Wyandottes.

The Rhode Island Red Club, however, realizing this fact, has adopted a standard calling for slightly laced or ticked hackles in pullets, and allowing black in wings and tail. Recognizing the present tendency of the breed to slightly feathered legs, or down on shanks, they also provide that no bird shall be disqualified unless the feathers appearing on shanks or toes have a perceptible quill. They also agree that single and rose comb birds should compete separately at exhibitions. Earlobes should be red, but are not to be disqualified if they show some white. Black and breast of males are of a much deeper red than those of pullets.

We have observed that in shape the Rhode Island Red is not so long-legged and angular as the Plymouth Rock, or so round bodied, chunky, or, apparently, so short bodied as the Wyandotte. Does not stand so high on its legs as the Wyandotte, and is longer in body and a pound less in weight, yet very wide, deep and plump. It stands more like an American Dominique, or Dorking. Shanks appear to join the body, and thighs appear to be very short.—*Samuel Cushman, in Poultry Herald.*

White Wyandottes--Pit Games.

If you want some of our this year's breeders, better write us quick. Your money will go much further now than later in the season. Let us know your wants.
BROWNE & MANN, 428 N. 53d st., Austin, Ill.

BUFF ROCKS and COCHINS.
Winners Wherever Shown.
Fine breeding and exhibition stock for sale. Owing to lack of room, have decided to close out my Buff Cochins. Prices reasonable and satisfaction guaranteed.
J. C. BROWN, LOCK BOX 17, CAMPBELLSBURG, IND.

LEE'S GERMOZONE CURES ROUP and CHOLERA.
Now prepared in tablet form for mailing. Send 50 cts. for full size pkg. postpaid. Use it freely for 10 days. If not fully satisfactory, return unused portion and we will refund your money promptly. Trial size postpaid 10 cts.
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DAVIDSON'S LIGHT BRAHMAS ARE FAMOUS
for their large size, beautiful black markings, prolific laying and prize winning qualities. 40 grand breeders for sale, including winners at Mason City.
U. GRANT DAVIDSON, Manson, Iowa.

LEE'S LICE KILLER KILLS LICE and MITES
A liquid. Paint on roosts. Kills body lice on fowls. No dusting, dipping, greasing or handling of fowls. Sample and 64-page booklet free by addressing Omaha office.
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FERRIS & ZINK, Props. OAK LEAF STOCK FARM,
BREED PRIZE WINNING
New Albany, Ind.,
ROSE-COMB BROWN LEGHORNS, Exclusiuely.

THE CARE OF BROODER CHICKENS.

Chickens as soon as removed from incubator or hens should be placed in a brooder, which has been previously prepared and heated above 90 degrees, but not above 95 degrees, separate brooders for each lot of chickens (not more than 50 together) are by far the best, for a person can regulate the heat according to the needs of the chickens; it is impossible to do this with a compartment brooder. A thermometer should be in each brooder, yet the chickens themselves are excellent indicators, for when you find them resting quietly each to themselves and singing their happy song, you may be assured that they are perfectly contented.

For the first twenty-four hours after removal from incubator, no food should be given; there should, however, be placed before them, easy of access, a good fine grit, in fact, grit should be kept before them all the time from chickenhood up. The want of grit is the cause of much sickness in poultrydom. If chickens are deprived of their teeth, indigestion prevails, perfect digestion is necessary to perfect health; hence the need of grit (hens' teeth).

Rolled oats or pin-head oatmeal make an excellent first meal. A variety of foods is best, care being taken to choose the bone-forming foods. Cooked food is always to be preferred, especially meat. Brooder chickens are very fond of lettuce, which is very easily and cheaply grown. Sow a large bed of it for their use; the pleasure you get from watching their enjoyment will more than pay for the trouble. This will also act as a tonic and is far better medicine. Do not feed cracked corn or whole wheat to chicks until they are upwards of three weeks old.

A fine litter should always be provided; chaff from the hay-mow is of the best, in that it contains timothy and clover seeds. Exercise is very necessary and you must resort to every little scheme you can think of to induce them to scratch for a living.

Look closely after lice. "Prevention is better than cure;" it is easier to keep them down before they get a hold than afterwards; one is more easily crushed than ten. It is a good plan to handle your chickens once in two weeks.

Take a small machine oil can, fill with sweet oil, and drop one or two drops on the heads of the chickens; this will not hurt the bird, even if there are no lice. They should then be thoroughly dusted with insect powder.

Hundreds of chickens can be looked after in a short time, and you are sure that you are not raising two flocks where you only intended one. The care of brooder chickens can be summarized thus:

That the food be properly prepared and of a variety. That the water be fresh and sweet. That sharp grit be provided at all times. That green food is very necessary. That exercise must be induced and lastly and all the time, that lice are thoroughly kept down.—*F. W. Kraft, in Fanciers' Gazette.*

J. S. Hoffman, of Sharon, Pa., has recently enlarged his main poultry house. This house of 10x40 has been increased to 10x80 feet, which will give Mr. Hoffman room for ten yards. Mr. Hoffman is offering some rare bargains in disposing of some of his breeders.

Residence of U. R. Fishel, Hope, Ind., and his Winter House for Poultry.

AN INDICATION OF THE DEVELOPMENT OF THE POULTRY INDUSTRY.

As an indication of the steady increase in the poultry industry it is an interesting fact to notice the success of the business of the Geo. H. Lee Co., Omaha, Neb., manufacturers of Lee's Lice Killer and other antiseptics. This increase in the business is shown by the development of lines dependent upon the poultry industry. The Geo. H. Lee Co. have developed a splendid business from a start obtained five years ago in the back end of a hardware store at Exeter, Neb. The business outgrew the capacities of that place and the headquarters of this company were moved to Omaha, Neb., consisting of four floors of space 25x100 feet, located at 1005 Farnum street. Their success has been secured by a strict adherence to their own business and the manufacture of an article that is up to its advertised merits.

DOCTORED TO DEATH.

Miss B. F. K., Central, Mo., writes: Will you kindly advise me in next Journal if old hens are affected by the gapes and what the cause is? When being fed they make a sort of sneezing noise. Is that the gapes?

They are also troubled with indigestion. I feed regularly in the morning soft feed, sour milk and grain, bran, etc., Pratt's Poultry Food, crystal grits, oyster shells, charcoal (oil meal once a week); have used the Douglas mixture, also a roup cure, with which they have been troubled; even at the present time some are still affected; at first I treated each one separately for these ailments, but have not lately; gave them several feeds of corn soaked in coal oil. I use lime freely, and each day the hen house is cleaned and sprinkled with lime, as I keep a barrel on hand. They did not seem to take kindly to oyster shells, so I only just purchased the crystal grits. They are penned in a yard (60 in number) about 400-500 feet square. They are not neglected in any way. What else can I do?

Reply—We never like to discourage any one who is trying to do well, but the young lady who asks the above questions is simply doctoring her chickens to death. The soft mash, the Douglas mixture, the roup cure and the individual treatment is too much for them, and they are, we fear, tired of life by this time.

In all kindness and seriousness we want to say we hope the time will come when poultry will not be doctored to death by those who kill them off with the kindliest intentions.

For ten years we haven't given a sick chicken medicine of any kind to exceed a dozen times. Once in a while, when we see signs of a roupy character we take a feather and brush a little kerosene about the face of the sick foul, or if we find a cankered mouth we swab it out with a strong solution of copper sulphate (blue vitriol), but beyond this we have no use for poultry medicine of any kind. We keep our poultry free from lice, never, never, never feed any soft messes of any kind and keep their quarters as clean as circumstances will admit. Our chickens do well, are healthy and, we believe, happy.

Milk, sweet or sour, is excellent; wheat, cracked or whole corn, oats, sorghum seed, sunflower seed, buckwheat once in a while, oyster shell, crystal or mica grit, a little oil meal, dried and ground beef in winter or when shut up, grass vegetables of any kind and pure water are all good. Beyond these lies the danger line. Don't feed too much; don't get your hens fat; don't worry about their health. If one sneezes she does not always have the roup. If one fails to eat with a good appetite nine times out of ten she needs to go without eating a day or two, and when she does will get well. Mixtures and pills are not needed where proper treatment is given. Roup is an unnecessary disease and always indicates lack of care.

Your yard has plenty of room in it. You say you do not neglect your hens in any way and we believe you. Take our advice and let them alone a little and see if they do not get better pretty soon. Throw some straw in one corner of the yard. On this throw one-half as much grain as you have been feeding them and let them scratch it out. Give plenty of green feed of some kind, and please don't doctor them quite so much. Try this and let us know how you succeed. Use a whole lot of your good common sense, not quite so much feed and no medicine and you will be on the road to success.

P. S.—Old hens never have the gapes. why they do not no one knows.

George A. Eyrich, of New Orleans, La., writes us that a very successful poultry show was held at the state fair, May 24 to 26, 1899. This aroused the enthusiasm of fanciers, who proceeded to establish a permanent poultry association, to include Georgia, Mississippi, Louisiana, Texas and other southern states, to be known as the Southern Poultry Association. Dates will be announced later. Mr. Eyrich was a heavy winner at the state fair.

To make room for young stock F. J. Phelps, Bucyrus, Ohio, will sell choice White Plymouth Rock breeders very cheap if taken at once.

500 Fine Breeders for Sale from our Yards.

Bronze Turkeys, Barred and White Plymouth Rocks, White and Silver Wyandottes, Brown and White Leghorns. FROM 40 SELECTED BREEDING PENS. Large, Vigorous, Finely Marked. Sure to Improve your Stock. 15 Years' Experience in Mating and Breeding. Eggs for Sale at all Times. Pairs, Trios and Pens Mated for best Results. Valuable ILLUSTRATED CIRCULAR Showing Matings, Prices, Plans for Poultry House and Yards Sent Free. Jersey Cattle, of the highest breeding for sale. "MISS COLUMBIA." Weight 30 Lbs. at 9 mo.

Address F. M. MUNGER, De Kalb, Illinois.

23 Years a Breeder

....of Prize Winning....

B. P. ROCKS.

A few cockerels and pullets to sell. Eggs from nine grand matings at $2 to $4 per 13. Circular free. Mention this journal.

JOE FARMER. Flushing, Ohio.

Buff Cochin Bantams.

Score 93½—Winners at—*Score 95*

1899 Detroit, South Bend, Logansport

200 little beauties now ready to face the judge, and August will find us with 300. They can be purchased now for less than in December. Cocks, cockerels, hens and pullets for sale, reasonable, with cards. Mention A. P. J.

FREDERICK WILLIS, New Carlisle, Ind.

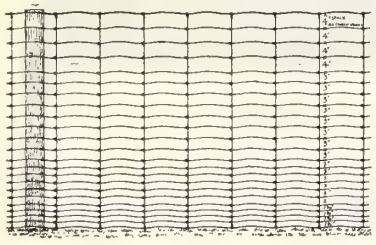
A NEW CAPON TOOL

THE TRIUMPH.

The "Slip Problem" Solved.

Set of Six Pieces, in neat box, $3.00 Postpaid. Send stamp for Illustrated Catalogue.

Allerton Caponizer Mfg. Co., Allerton, Ia.



AS SCATTERING AS HENS' TEETH

are the people who find fault with Page Poultry Fence. We never heard of any one ever using it but was perfectly satisfied that it was the best.

Page Woven Wire Fenco Co., Adrian, Mich.

THE ONLY ONE

Pike's Lice Destroyer is the only lice killer that is sold on a guarantee to kill lice and mites or money refunded. It is no trouble to use it as the liquid is sprinkled on the roosts and kills the vermin while the poultry sleeps.

Pike's Lice Destroyer, per gallon can	$ .75
Crushed Oyster Shells, per 100 lb. bag	.75
Mica Crystal Grit, per 100 lb. bag	.75
Ground Bone, per 100 lb. bag	2.00

Much lower prices for larger quantities. Agents wanted. Send for descriptive circulars.

Ship us Your **POULTRY AND EGGS**

SPRAGUE COMMISSION CO.,

218 South Water St., Chicago.

A Record

to be of value must be backed by continued worthy deeds. The

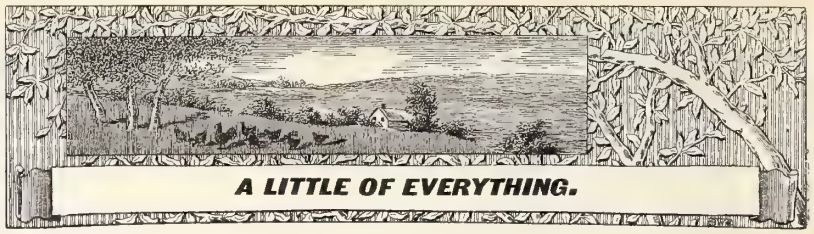
Prairie State Incubators and Brooders

have increased their first premiums to 200 in competition with the best. Send for 1898 catalogue, giving full description. Handsome colored plates.

We warrant every machine.

Praire State Incb'tor Co. Homer City, Pa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL



A LITTLE OF EVERYTHING.

Items of Practical Information and News Contributed by A. P. J. Readers.

Ralph H. Mathew, Salina, Ohio.—

Better open the gates of the breeding yards now, brother fanciers, and allow the females the liberty they enjoy so well. Allow them to "let up" laying for a couple of months, in which time they may recuperate vigor, so necessary for the molting period, which is almost upon them. The males intended for breeding next season should have practically the same good treatment or provide them with good shade, if nature has failed, on a grassy run, and do not yard any females with them. It is also high time to look after sex in the young birds, and separate them, as both will be benefited thereby.

Joe Farmer, Flushing, O.—

Separate all your males from females. Put them all in one pen out of sight of the hens and they will dwell together as peaceable as so many hens; your hens will be the better without them and then the males will be good for one or two years more breeding than if allowed to waste their energy by continuous service with the hens. Breeders of all other stock practice this rule and find it pays well.

A. H. Morgan, Biloxi, Miss.—

All hatching finished here in April. Does not seem to be much thoroughbred poultry round this part but same ought to pay. Eggs now 30 cents dozen; small broilers 25 cents each. June 26 visited New Orleans Poultry Show. Exhibit not large, but a few good birds. Show held May 21—30. Have got out about 50 chicks, S. C. B. Leghorns, and they are doing well. All southerners say I can't raise them this time of year; too hot.

Aug. D. Arnold, Dillsburg, Pa.—

Our experience with chicks is they should not be fed for three days after they leave the shell. We believe warmth is all chicks need the first three days, and that more chicks are killed by overfeeding the first few days than all other causes combined. Take the hen that steals her nest for an example; her chicks get very little to eat the first week.

Odell Stock and Poultry Farm, Odell, Ill.—

The time is here for to scrape up a few barrels of road dust to be placed in the hen house for dust baths this winter; and also some bundles of oats to hang in the scratching pen to give the hens exercise through the winter months.

F. M. Munger, De Kalb, Ill.—

Now is the time to clean up and renovate the poultry house. Use a spray pump and whitewash every part of the house, clean out and burn all the old nests. Kerosene the boxes and roosts thoroughly. Look to the brood coops; these should be oiled and whitewashed. Dust the setters with insect powder; also the young chicks. Keep the mother hen confined to the coop in the morning until the dew is off the grass. The wet grass chills the chicks and gives them bowel trouble. Watch for the gentle cat and old sly rat.

A. F. Williams, Moodus, Conn.—

A great many people think that fall chicks do not do well. My experience is that September hatched chicks will lay in March. Several years ago in September we had 22 left. We did not sell as we were offered so low a price we would not accept. I gave them to my wife and out of the lot she raised 12 pullets, some of which commenced to lay in February and all were laying in March. My experience has been fully as good since that time with fall chicks.

Myer Bros., Malden, Ill.—

Now is the time to watch the young turkeys for lice. Poultry raisers cannot exercise too much care in this respect, as these little pests are responsible for nine-tenths of the sickness among turkeys, and a sick turkey seldom recovers. A little clear grease on top of the head and under the wing flights will prove an effective remedy; repeat once a month if necessary.

Rev. John Hughes, Table Grove, Ill.

It is always to be borne in mind that utility in stock is the great desideratum Eggs and meat are the chief ends in raising poultry. But beauty in form and plumage are adjuncts not to be despised. There should be enjoyment in life as well as mere utility. The successful breeder cares for all these points, and will not sacrifice one for the other. We like to see pretty fowls, but we do not keep them merely to look at; and they may be both useful and beautiful.

C. M. Steinmetz, Rose Hil, N. C.—

I have some beautiful prize Single Comb Brown Leghorns coming along and will enter some in the prize ring at the fall and winter shows. Am a charter member of Shelby Poultry Association of N. C., which will have a rousing show this winter. My stock is in fine condition and is free from lice and sickness. I always strive to be a leader and spare no expense to get the right blood. I ship in up-to-date coops and in specially made egg boxes, which are the finest thing out. My prices are reasonable and eggs $2 per setting of 15, delivered at any express office. Satisfaction guaranteed.

J. H. Doane, Gouverneur, N. Y.—

Mr. Cornell's question in June: Is not a first-class Black Minorca or a Langshan with enough white to disqualify him preferable, for stock purposes, to an inferior bird with no white, reminds one of the old song, Utility, Utility and nothing but Utility. A Black Minorca with enough white to disqualify, is no better than one with a white face, or side-sprigs on the comb; up-to-date "Black Minorca" breeders have no use for white, Black Minorcas. Let up on

Partridge Cochins

with exhibition shape, feathering and pencilling, line bred for 14 years, if you buy of

GEO. B. GOTT, Ionia, Mich.

GOOD WHITE ROCKS CHEAP—To make room I will sell 10 fine hens that scored 92 to 95; 5 cocks that scored 92 to 94. Very cheap if taken at once. Write for prices.

F. J. PHELPS, Bucyrus, Ohio.

12 YEARS breeding S-c. Brown Leghorns. If you want to win in the show room and have the best layers on earth send me an order for eggs at $1 25 for 15, or 30 for $2. Stock at a bargain. Send for circular.

C. F. LANG, LaCrosse, Wis.

Barred Ply. Rock Eggs.

For the remainder of the breeding season I will sell 15 eggs for $1. Pekin Duck eggs 12 for 50c. All from good first-class stock.

H. ADOLPH, Ironton, Iron Co., Mo.

WHITE WYANDOTTES,

and Nothing Else.

Eggs from my best pens 13 for $1.50. Satisfaction guaranteed My stock is large, vigorous and white. No better any place.

G. C. FLEGEL, Westville, Ind.

THE IMPROVED **VICTOR INCUBATOR**

Hatches Chickens by Steam Absolutely **self-regulating.** The simplest, most reliable, and cheapest first-class Hatcher in the market. Circulars free.

Catalogue 4 cents.

GEO. ERTEL CO., Quincy, Ill.

1884 ◆◆◆◆ **1899**

Skinner's Cochins

Thirteen Premiums on Buff and Partridge against the strongest competition in the world.

I also breed the choicest Light Brahmas, B. P. Rocks, Bronze Turkeys. The sharpest Grit, 50 cents per sack of 150 lbs ; 500 lbs for $1. Eggs $1 to $5. Send for Catalogue showing 20 birds by Photo. **O. E. SKINNER, Columbus, Kas.**

HEN WANTS.

If you want your hens to be profitable you must supply them with the necessary food and appliances—working material. We handle a most full and complete **POULTRY SUPPLIES** embracing line of... everything from a poultry bit to an incubator. We mail **FREE** a large illustratrated catalogue containing full description and prices to all interested inquirers.

HARVEY SEED CO., 30 Ellicott Street, Buffalo, N. Y.

Our Yard

is full of fine chicks that we will enter orders for. The first come gets the best. Brown and White Leghorns, White Wyandottes, B. P. Rocks, B. B. R. Games.

F. E. DeMUTH, Wheaton, Ill.

Correspondence solicited.

DEWEY'S

BARRED P. ROCKS—Winners at S. Bend, Ind, Detroit, Mich. '99
BUFF P. ROCKS—Winners at Mich. State Fair, '98.
BLACK MINORCAS—Winners at S. Bend and Detroit, '99.

June eggs $1.50 per 15.

M. BLISS DEWEY, Concord, Mich.

Chicago Winners.

TIBBETT'S BRARED ROCKS proved a surprise party at the joint show, Chicago, Jan. 9-14, '99, where in competition with the "best in the country" my Rocks won 2d on cock, 91¾, 5th cockerel, 93 (Hewes); 4th and 5th pullets, 92½, 92½ (Russell) and 2d breeding pen, 185¼. Circular free. Mention A. P. J.

H. TIBBETTS, Neponset, Ill.

crowding, and hatch only such numbers as you can provide room for, and there will be less white; experience has taught me that is true. A little of Mr. Boyer's "luck" spelled with two syllables, p-luck, goes a long way in breeding black varieties; don't overcrowd and thereby save feed bills, avoid disease, virmin and death. It is as easy to breed "Black Minorcas Black," as to breed White Leghorns White, except for the evils of bruised feathers, which is the direct cause of many disqualifying white feathers. Try it and be convinced.

O. E. Skinner, Columbus, Kan.—

Dear Sir:—The season just about closed has been a successful one with me, having all the trade I could handle in both eggs and stock. I have succeeded in getting out 700 early chicks, having one Partridge Cochin pullet laying since June 10. She laid her first eggs at 4 mos. and 29 days old, she being hatched Jan. 11, '99. She is not one of those scant feathered ones, either. Will send you a half-tone electro of her so your readers can see what can be done with heavily feathered Cochins as layers.

J. W. Houston, Marshall, Mich.—

The poultryman who has failed to sow a patch of rape on a piece of rich ground has certainly missed a good thing. A piece 8 rods square if allowed to grow a foot high will produce green food enough to supply a flock of 200 chicks during the hot, dry months of summer. By cutting 4 inches above ground it soon reproduces itself and furnishes an endless supply of tender, green food. Try it.

Jeffie R. Hudson, Hardin Springs, Ky.—

Keep down lice; mix unslacked lime with dry road dust, put in large boxes where your fowls can dust in it; use two-thirds dust and one-third lime. Clean up and burn all old rubbish, nests, etc. Make new nests of fresh cured new small straw hay or clover. Remove all rotten eggs, dead chicks, etc. Burn sulphur in your hen house once in a while. Scatter copperas dust over the floor or ground. Sift a pinch or so of unslacked lime dust in the nest. No winter eggs if lice eat your fowls during summer and fall. Attend to this now.

Geo. W. Kinzer, New Holland, Pa.—

Foresight is essential to success in poultry business. Now is the time to gather in the dust for winter. Repair your hen house before fall comes and avoid trouble and disease.

Edwin W. Fly, Chalfont, Pa.—

I show here a profit of $8 made on the first sale of chicks besides paying for the machines.

Price of 50 egg size incubator	$ 7 00
Price of 100-chick brooder	11 50
Price of 50 eggs at one cent each	50
Price of oil	50
Price of feed for three months	5 00
Total cost	$24 50
Credit by sale of 50 chicks at 65c	$32 50
Expenditures	24 50
Profit	$ 8 00

Paul B. Harshman, Sullivan, Ill.—

The way I feed to get eggs. I have a scratching room in each of my pens, supplied with plenty of litter, in which I throw wheat each morning. Then about the middle of the forenoon I feed mash of wheat bran, shorts and cooked potatoes or turnips. At night cracked corn is put in the scratching rooms. I keep fresh water at hand, warmed in cold weather. I have self-feeding grit boxes

BUFF WYANDOTTES.

Winners Wherever Shown.

Send for circular giving prizes. Some fine young stock for sale. Eggs $2.50 per sitting.

C E. ELLSWORTH, Danville, Ill.

RAINEY MILLER,

Champaign, - - - - Illinois,

——BREEDER OF——

Light and Dark Brahmas, Buff, Black and Partridge Cochins, Black Langshans, Barred and White Plymouth Rocks, S-c. B. and R-c. B. Leghorns, Cornish Indian Games, Black Minorcas, W. F. Black Spanish, S. S Hamburgs.

W. P. ROCK COCKERELS

ON TRIAL.

Send for my new and novel plan and prices. Young Pekin Dux 75c each.

GEO. OWEN, Wray, Colo.

On Burlington R. R.

A Great Bargain.

10 yearling hens and 1 cock S-c. W. Leghorns, laying good, $10; two trios of Light Brahmas, $10; a few fine S-c. W. and Brown Leghorn cockerels at $1.50 each; 20 eggs $1, from my best Barred and White Plymouth Rocks and S-c. White Leghorns; $1 per 15 from my prize Light Brahmas, Buff P. Rocks, Buff Leghorns and Rose-comb Black Minorcas. Order quick. Circular free.

C. B. HUFF, Lock Box 73, Delaware, N. J.

Poultry Supplies.

Bone Meal, Oyster Shells, Lime Stone Grit, Ground Charcoal, Beef Scraps, Broken Crackers, Canonizing Sets, Poultry Markers, Drinking Fountains, Lambert's Death to Lice, GREEN BONE CUTTERS, Poultry Wire Netting, Feed Mills, &c. Send for reduced price list.

J. H. SLACK, Mfr. Poultry Supplies,
Box 210, Bloomsbury, N. J.

Blood Will Tell

This is to a greater extent true of poultry than any other kind of live stock. If you seek a permanent and **profitable poultry business** you must start right. **BUY ONLY THE BEST.**

We Sell Blue Blood

of the following varieties:

B. Langshans, B. P. Rocks, Light Brahmas, S. C. Brown Leghorns, Partridge Cochins and Pekin Ducks.

We have for sale a number of select females of each of the above breeds which we are now offering at very reasonable prices. During the summer season ***we will sell eggs for hatching at greatly reduced prices.***

Write for what you want; we can supply you and satisfy you in every particular.

CONTINENTAL POULTRY FARM Box A, Belleville, Ill.

Two For $1

We will send

Farm-Poultry

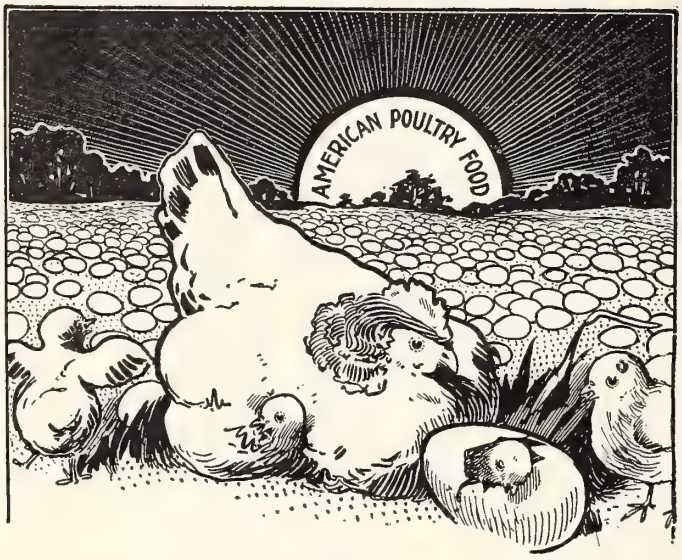
and

American Poultry Journal,

both one year for $1. The regular price of American Poultry Journal is 50 cents and Farm-Poultry $1 and you save money by sending us your subscription.

American Poultry Journal, Chicago, Ill. U. S. A.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL



Chicks Well Hatched are Half Raised

American Poultry Food

Does the Other Half

A Pure Grain Food in Sealed Sacks.
Not a Medicine.

It develops young chicks rapidly, permitting of their early market at highest prices and brings pullets to laying maturity very rapidly.

FREE

Our booklet, **"Practical Poultry Feeding,"** tells exactly how to use it for all purposes. If you have not already sent for this invaluable little book, do so at once—it will help you over many hard places in the poultry business. **Sent free prepaid on request.**

If your feed dealer does not sell American Poultry Food, write us giving his address.

Address, **SCIENCE DEPARTMENT,**

THE AMERICAN CEREAL CO., 1353 Monadnock Bldg., CHICAGO, ILL.

If it is Quality

in Langshans that you want you can get it from Heimberger. His Silver Cup winners of last season have reproduced their exhibition excellence in the chicks now in his yards, which will enable him and his customers to maintain the high records that

Heimberger's Langshans

have made in the past. Don't forget this when placing your orders.

ADAM HEIMBERGER, Box 145, New Albany, Ind.

Exhibition Birds and first-class breeding stock, one and two years old—Buff P. Rocks, Cochins, Cochin Bantams and Leghorns. Also early chicks that will win at the fall fairs. Exceptionally good quality. Prices very moderate. Money back if not satisfied.

W. H. SCOVIL, Box 82, E. Lebanon, Me.

of my own make which I always keep filled. I find ground oyster shells the best grit. Fresh ground bone fed twice a week instead of corn at night is excellent.

A. C. Hawkins, Lancaster, Mass.—

Paint the roosts with kerosene every week through the hot weather. It kills all the red mites that infest the coops at this season. If the stock is free from vermin they make larger and better birds at maturity. Give them plenty of shade at this season.

J. L. Yohe, Carey, O.—

Dear Sir:—Please discontinue my advertisement for a couple of months as I have sold out of nearly everything I have and your valuable paper has been the main instrument in disposing of my stock. I will commence as soon as my young stock is ready to sell.

J. C. Brown, Campbellsburg, Ind.—

We have a large shaded run for our young chicks, which we keep well supplied with large drygoods boxes; we keep them well cleaned and whitewashed. Chicks use these boxes to roost in until cold weather. We have no trouble with lice or mites, and seldom lose a chick by drowning. We feed a balanced ration, using plenty of sharp grit and keep cool drinking water continually before them, which is the only road to success.

Geo. Owen, Wray, Colo.—

In regard to feeding young chicks, will say that in seven years' experience we find nothing equal to bread and milk every day for the first feed and for two weeks following or until the chicks refuse it; also give milk to drink once a day; feed every two hours first week and four times a day after until weaned. We raise 95 per cent. by this method and the chicks grow like weeds.

Wm. Rudi, Bourbon, Ind.—

In reply to yours of the 13th, will say my business has been very satisfactory to me the last year in the way of sales of stock and eggs. Many customers do not mention where they saw my ad. I think every one should mention this. Mr. B. W. Burton, who won in your contest a sitting of eggs which he had ordered of me wrote he got eleven chicks, and ordered some more eggs.

E. F. Pierce, Catawba Island, O.—

If you have never fed boiled wheat to your young chickens, try it and see how they grow. Watch the little fellows now and don't let them crowd; learn them to go on the perch; can be easily done by catching them a few times and putting them on. Don't be afraid of strong soap suds; if put on the roosts and thrown in the cracks on wash-days, you won't have many lice to deal with.

Buckeye Farm, Austinburg, O.—

The bulk of this season's chicks should now be out, and to promote rapid and steady growth, give them every possible foot of yard room, where they can have access to sun and shade at their pleasure. While they need plenty of good grass, they also need to have soft dirt to dig in. Feed a variety of bone forming foods and keep pure, fresh water and grit where they can partake of it at all times.

Thomas H. Mills, Port Huron, Mich.—

Breeders are recognizing that dry feeding is the only way to raise a large per cent of chicks and have them large and healthy. We feed millet seed and

Eggs From Prize Winners.

White Holland Turkey eggs $2 per 11. White P. Rock, Golden S. Bantam and White Guinea eggs $1.25 per 13; $2 per 30.
A. Z. COPELAND, Potomac, Ill.

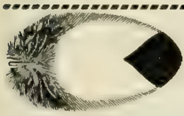
Cornish Indians, Exclusively.

A few fine hens for sale; also young stock after Sept. 1st. 150 to select from.
H. S. MARKS, Box 540, Lanark, Ill.

Special Premium Offer Pages S-c. Blk. Minorcas. In order to introduce my stock more fully, all orders of $5 or over will receive a sitting of my best eggs *free*. Stock for sale after Sept. 1st. All wanting good stock should write me for prices and circular. Satisfaction guaranteed.
H. D. Page, Ira, Cayuga Co, N. Y.

Silver Laced Wyandottes, Exclusively

Choice stock for sale at all times.
W. L. MILLS, Clear Creek, Ill.



Silver Spangled Hamburgs that can win at the fairs and early shows. Circular with show record free.
G. G. WHERRY, Galena, O

PARTRIDGE COCHINS—EXCLUSIVELY— At Detroit Show, Jan. 3 to 8, '99, Sharp Butterfield judge, I won 1, 2, 3, 4 cocks, 93¾, 91½, 90½, 90¼; 1, 2, 4 hens, 93½, 92¾, 92¼; 1, 2, 3. 4 ckls., 94, 93, 93, 91½; 1, 2, 3, 4 pullets, 95, 94,¼ 94, 93¾; 1, 2 pens, 189 1-16, 187 1-16. Choice stock for sale.
JOHN C. STELLWAGEN, Wayne, Mich.

White Wyandottes,
America's Business Fowl.
Black Langshans,
Champion Winter Layers.
A few of this years' breeders for sale. Will have some fine young stock for sale Oct 1st. Better inquire about these birds at once. Letters cheerfully answered.
H. H. FIKE, Morgan Park, Ill.

None Better.

Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.
D. T. HEIMLICH,
Jacksonville, Ill.

Light Brahmas—EXCLUSIVELY Mammoth Strain.

10 pens headed by **HIGHEST SCORING BRAHMA** at Shenandoah show, and his cockerels by Brown **SCORING 92 to 95.**
Circulars Free. Eggs, $1 to $3 per 13.
J. G. LEMBKE, Box 25, Griswold, Iowa.

Buff P. Rocks.

That have been shown in hot company for the last five years and have every time been WINNERS. These are the original Coin Gold Strain.
EGGS **$2, $2.50 and $3 per sitting.**
Address,
ISRAEL ROOT, Bloomington, Ill.

Highland Poultry and Fruit Farm.

EGGS $2 per 13; $3 per 26, from the best stock in the West. Light Brahmas, Black Langshans, B. P. Rocks, White-crested Black Polish, S-c. Buff Leghorns. Fine illustrated circular for the asking. Stock for sale.
N. SCHWEINFURTH, Jackson, Mich.

BARGAIN SALE.

To make room for young stock I offer the following for sale cheap considering quality: 7 hens, 2 cocks Buff Cochins; 12 hens, 2 cocks American Dominiques; 1 pair White Wyandottes; 6 Houdan hens and 1 Black Langshan cock. Young stock for sale after Sept. 1st. Write me for prices. I have a stamp.
H. D. THOMPSON, Wheeler, N. Y.

oatmeal almost from the first and with grand results. We could not raise chicks without millet. Soaked bread or such would kill all the chicks we could hatch. We give water sparingly the first two weeks and always before instead of after meals. We raise 90 to 95 per cent of all chicks hatched.

E. C. Brattain, Connersville, Ind.—

Our experience in raising Brown Leghorns has been that chicks thrive and grow much better the first ten weeks if fed on grain such as rolled oats, cracked corn and whole wheat without any cooked food or mashes. Of over 150 chicks hatched this season we have lost but two or three from natural causes. After the tenth week we feed a bran mash once a day with whole oats, wheat and cracked corn alternately.

A. F. Ackley, Woodstock, Ill.—

I find that chicks started on dry feed do much better than those fed on soft sloppy feed. I use a corn cake and oatmeal for the first week or ten days, then add cracked corn. When about six weeks old, I begin feeding soft feed made of corn, oats and wheat bran mixed in warm water. I never had chicks do any better than they have on this feed.

A. S. Parson, Garden City, Kan.—

Colonize your young chickens where they can get plenty of grasshoppers, give plenty fresh water and a good feed of cracked wheat or corn at night and you will be surprised at the rapid growth they will make.

A. Z. Copeland, Potomac, Ill.—

There has been a great deal said about feed. My observation is that most farm poultry is raised on corn meal exclusively; that is all right if you can't do any better, but do not grind too fine and always feed dry. I have had a very good egg trade and the finest lot of chicks I ever had.

J. S. Hoffman, Sharon, Pa.—

Every breeder and fancier of poultry should try movable open front coops in the hot summer months. I find it a great prevention of lice and also lots of comfort for our feathered pets. Put 2-foot wire netting in front of the coops to protect the fowls at night. Face if possible to the east so heavy rains will not blow in on your chicks.

H. D. Thompson, Wheeler, N. Y.—

The hatching season is about over here and now all are hurrying their chicks along to see who can have the best for the fall fairs and early winter shows. There are but few early chicks in this vicinity as eggs did not hatch good early, but later have hatched very good and chicks are doing well.

———o———

The following is a very complimentary letter received by G. C. Flegel, of Westville, Ind., from one of his customers:

Bloomville, O., July 3, 1899.
G. C. Flegel, Westville, Ind.

DEAR SIR:—The eggs are received O. K. and hatched 18 chicks. Two were killed in the nest, so have 16 dandies left. I think that is a good hatch. The hens broke five eggs. It is the best hatch I ever had of eggs that I have bought.

RALPH WILSON.

J. C. Brown, of Campbellsburg, Ind., has decided to close out his Buff Cochins and confine himself to Buff Rocks only. He offers some rare bargains for some one.

Reliable Breeders' Directory

OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.
C. H. C. Anderson, Carlinville, Ill.
John H. Ryan, L. B. 195' Monticello, Ill.
A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minorcas.
H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.
C. H. C. Anderson, Carlinville, Ill.
E. E. Paris, Washington. Ill.
Chas. L. Gierhart, Tiffin, O.
(E. B. Thompson strain.)

R-c. B. Leghorns.
W. C. Jackson, So. Bend, Ind. 2-1

White Wonders.
J. M. Culver, Peterboro, N. H.

B. B. R. Games.
J. C. Pratt, Agent.
Residence and Yards, La Grange, Ill.
Office, U. S. Sub Treasury, Chicago, Ill.

Houdans.
John M. Wise, Freeport, Ill. 4-99-1yr

Japanese Silky.
Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.
S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.
S. D. Mandeville, Sidney, Ill.

Indian Runner Ducks.
Ber'd McCaffrey, Steubenville, O. 9-98-1y

WHITE PLYMOUTH ROCKS,
Embden Geese.

Fine cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.
TILLMAN EASLEY,
Box E, Newmarket, Ind.

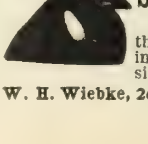
Houdans, White Wyandottes,
Pekin Ducks.

Large, vigorous, prolific. This season's breeders, among which are many fine exhibition birds, for sale very low to make room for young stock.
MRS. G. A. NORRIS,
Lebanon, Maine.

For First-Class
Partridge Cochins
or
Golden Wyandottes,
(Young Stock only)
Address.
H. A. TOWNE,
Sac City, Iowa.

Do You Want the Best?

Can spare a few sittings of eggs from two choice pens of
Barred Plymouth Rocks,
containing all our prize winners. Have shown pullets scoring to 93½ and cockerels to 93. Eggs $2.50 per 13; $5 per 30. A good hatch guaranteed.
MYER BROS., Malden, Ill.



S-c. BR. LEGHORNS, S-c. BL. MINORCAS.

I won 7 firsts, 2 seconds, 2 thirds at Cleveland and Washington C. H., O. Eggs $1.50 per sitting.
W. H. Wiebke, 266 Beaver ave, Ft. Wayne, Ind

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

E. F. PEIRCE, Catawba Island, O.,
BREEDER OF
STANDARD BARRED PLYMOUTH ROCKS.
P. O. address Port Clinton, O.

Price of Eggs Reduced
to $1 per 13, after June 15,
FROM
Barred P. Rocks and S-c. White Leghorns,
that can go in best of company.
E. E. GREER. BEATRICE, NEB.

REMOVAL SALE.
Great reduction for next 30 days. I will sell fully two-thirds of my old stock at half value. If you want something good in Buff Cochins and Light Brahmas write for prices, enclosing stamp for reply if you mean business. I am agent for Mrs. Ella Thomas' Cholera Cure and Insect Exterminator.
J. H. GRANT, Elmira Heights, N. Y.

See Here!
I will now sell a few of my this year's breeding birds at a bargain in order to make room for my young stock. If you are in need of any Light Brahmas, White P. Rocks or Black Minorcas don't fail to write me for prices on these birds. Remember I want to close them out within thirty days,
T. P. EBERSOLE, Manson, Iowa.

Brattain's Brown Leghorns
Winners of 5 firsts, 6 seconds, 2 thirds and 7 special premiums at Oxford and Indianapolis last winter. A few choice exhibition hens for sale at a bargain. Eggs half price after June 1st.
E. C. BRATTAIN,
Br. Leghorn Specialist. Connersville, Ind.

IF YOU WANT.
B. P. Rocks, S-c. Brown Leghorns or S-c. White Leghorns, from the leading strains in this country, after Sept. 1st, write me. I will have hundreds of them for sale. Also for Lambert's Death to Lice.
GEO. H. BIE,
Box 100, Station A.. Racine, Wis.

R. B. KINNETT,
BREEDER OF
B. P. Rocks, S-c. B. Leghorns and Buff Cochins.
Central Illinois Poultry Show, 1898, B. N. Pierce, judge: Br. Leghorns—1st and 3d ckl., scores 94, 92½; 1st, 2d and 3d hen, scores 94, 94, 93; 1st, 2d and 3d pullet, scores 94, 94, 94; 1st and 2d breeding pen, scores 188, 185¾. B. P. Rocks, 2d hen, 91½. Buff Cochins, 1st hen 92½. Stock for sale. Eggs $2.50 per 13. *Chapin, Ill.*

GOLDEN WYANDOTTES, Exclusively.
"The beauty bred." All stock of high merit. Product of our 1898 matings finer than ever. At Illinois State Show 1898 won 1st cockerel, 2d cock, 1st and 3d hen, 3d pullet and 2d pen. At Springfield, Ill., Jan. 1899 won every first prize in the class, including 1st, 3d and 4th pullet. Some choice cockerels for sale; no more females to offer until September. Will furnish settings from three grand matings after March 1 at $2.50 pr. 15.
C. P. NELSON, (Prairie View Farm) Danville, Ill.

BUFF.
Rocks, Wyandottes, Cochins, Cochin Bantams and White P. Rocks. Buffs score well up in the nineties and White Rocks from 92 to 95. Eggs, $2 per 13; $3.50 per 30. Also choice pedigreed Collie pups for sale at a bargain. Satisfaction to all. Address, with stamp for business,
A. F. ACKLEY, Box 447, Woodstock, Ill.

Color Talks.
My Buff Leghorns have buff to burn. Will have some fine young stock for sale this fall. Send your name on postal card for circular.
W. H. EATON, Jackson, Mich.
Sec'y J. P. F. Association.
Jackson Poultry Show, Dec. 18 to 22, 1899. I. K. Felch, Judge.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

POULTRY JUDGES' ENGAGEMENTS FOR SEASON OF 1899-1900.

For the information of the exhibiters of the country and A. P. J. readers we give the following list of judges' dates. We will be glad to add other names to this list and request judges to send their dates as soon as decided upon:

W. S. Russell, Ottumwa, Ia.:
Nov. 28-Dec. 2, 1899—Hamilton, Ohio.
Dec. 4-9, 1899—Macon, Mo.
Dec. 11-16, 1899—Bloomington, Ill.
Dec. 18-23, 1899—Belding, Mich.
Dec. 25-28, 1899—Marshalltown, Ia.
Dec. 27-31, 1899—Keota, Ia.
Jan. 2-6, 1900—Wichita, Kan.
Jan. 8-13, 1900—Quincy, Ill.
Jan. 15-20, 1900—Lincoln, Neb.
Jan. 22-27, 1900—Chicago, Ill.

B. N. Pierce, Indianapolis, Ind.:
Dec. 4-9, 1899—Roachdale, Ind.
Dec. 9-16, 1899—Indianapolis, Ind.
Dec. 18-23, 1899—Memphis, Tenn.
Dec. 25-28, 1899—Elgin, Ill.
Dec. 26-30, 1899—Danville, Ill.
Jan. 3-7, 1900—Joliet, Ill.
Jan. 8-13, 1900—New Albany, Ind.
Jan. 16-20, 1900—Cincinnati, O.
Jan. 17-24, 1900—Kokomo, Ind.
Jan. 22-27, 1900—Chicago, Ill.

D. T. Heimlich, Jacksonville, Ill.:
Sept. 5-8, 1899—Rockford, Ill.
Dec. 11-16, 1899—Jacksonville, Ill.
Dec. 18-23, 1899—Wenona, Ill.
Dec. 26-29, 1899—Aurora, Ill.
Jan. 2-7, 1900—Winona, Minn.
Jan. 8-14, 1900—New Albany, Ind.
Jan. 15-21, 1900—Pueblo, Colo.
Jan. 30-Feb. 2, 1900—Carlinville, Ill.

I. K. Felch, Natick, Mass.:
Sept. 12-14, 1899—Rochester, N. H., cattle.
Sept. 19-20, 1899—Palmer, Mass., poultry and cattle.
Sept. 27-28, 1899—Brattleboro, Vt.
Nov. 31-Dec. 2, 1899—Fitchburg, Mass.
Dec. 12-16, 1899—Crestline, O.
Dec. 18-22, 1899—Jackson, Mich.
Dec. 26-31, 1899—Waupaca, Wis.
Jan. 8-12, 1900—Waco, Tex.
Jan. 17-20, 1900—Kansas City, Mo.

F. H. Shellabarger, West Liberty, Ia.:
FAIRS.
Aug. 14-18, 1899—Macomb, Ill.
Aug. 23-24, 1899—Sac City, Ia.
Aug. 28, 1899—Lyons, Ia.
Aug. 30, 1899—Mt. Carroll, Ill.
Sept. 13, 1899—Sandwich, Ill.
WINTER SHOWS.
Nov. 1-4, 1899—Charles City, Ia.
Nov. 28-Dec. 2, 1899—Hebron, Neb.
Dec. 13-15, 1899—Jefferson, Ia.
Dec. 18-23, 1899—Iowa Falls, Ia.
Dec. 27-30, 1899—Galena, Ill.
Jan. 2-6, 1900—Le Mars, Ia.
Jan. 8-13, 1900—Topeka, Kan.
Jan. 23-26, 1900—Iowa City, Ia.
Jan. 29-Feb. 2, 1900—Henry, Ill.

Jas. A. Tucker, Concord, Mich.:
Dec. 11-14, 1899—Battle Creek, Mich.
Dec. 14-15, 1899—Owosso, Mich.
Dec. 19-23, 1899—Wayne, Mich.
Dec. 26-29, 1899—Kalamazoo, Mich.
Jan. 2-6, 1900—Lebanon, Ind.
Jan. 8-12, 1900—Detroit, Mich.
Jan. 15-19, 1900—Cedar Rapids, Ia.
Jan. 24-27, 1900—Fremont, Ohio.

D. J. Lambert, Apponaug, R. I.:
Nov. 29, 1899—Brockton, Mass.
Dec. 5-8, 1899—So. Framington, Mass.
Dec. 12-14, 1899—Milford, Mass.
Dec. 19-22, 1899—Wakefield, R. I.
Dec. 22-25, 1899.—Seymour, Conn.
Dec. 28, 1899-Jan. 1, 1900—Canton, O.
Jan. 10-12, 1900—Charlotte, N. C.
Jan. 15-20, 1900—Cedar Rapids, Ia.

Chas. McClave, New London, Ohio:
Nov. 27-Dec. 1, 1899—North East, Pa.
Dec. 11-15, 1899—Sycamore, Ohio.
Dec. 19-22, 1899—Meadville, Pa.
Dec. 22-25, 1899—Geneva, Ohio.
Dec. 26-30, 1899—Wooster, Ohio.
Jan. 1-5, 1900—Painesville, Ohio.
Jan. 5-9, 1900—Erie, Pa.
Jan. 9-12, 1900—Freeport, Ill.
Jan. 12-15, 1900—Dayton, Ohio.
Jan. 15-19, 1900—Columbia City, Ind.
Jan. 21-27, 1900—Louisville, Ky.

C. H. Rhodes, North Topeka, Kansas:
Nov. 22-25, 1899—Richmond, Mo.
Nov. 29-Dec. 2, 1899—McPherson, Kan.
Dec. 4-9, 1899—Newton, Kansas.
Dec. 11-15, 1899—Kingston, Mo.
Dec. 16-18, 1899—Ford City, Mo.
Dec. 18-23, 1899—David City, Neb.
Dec. 26-28, 1899—Superior, Neb.
Dec. 28-30, 1899—Delphos, Kansas.
Jan. 2-6, 1900—Beloit, Kansas.
Jan. 8-13, 1900—Kingfisher, Okla.
Jan. 15-17, 1900—Great Bend, Kan.
Jan. 17-20, 1900—Pratt, Kansas.
Jan. 29-Feb. 1, 1900—Leavenworth, Kan.

Thos. F. Rigg, Iowa Falls, Ia.:
Dec. 18-23, 1899—Iowa Falls, Ia.
Jan. 15-20, 1900—Boston, Mass.
Jan. 22-27, 1900—Chicago, Ill.

SHOW DATES FOR 1899—1900.

The following information regarding the coming shows is kindly furnished us by the secretaries of the associations. We will consider it a favor to A. P. J. readers and ourselves to receive from secretaries the dates of shows not already included in this list.

1899.

Sept. 7-16.—Western Fair Association, London, Ont. J. A. Nelles, sec'y.

Sept 12—15.—Washington Co. (N. Y.) Fair. S. B. Ambler, sec'y.

Nov. 22—25.—Ray Co. (Mo.) Poultry and Pet Stock Ass'n, Richmond, Mo. C. H. Rhodes, judge; Jas. M. Deacy, sec'y.

Nov. 28-Dec. 2.—Western Illinois Poultry and Pet Stock Association, Rock Island, Ill. A. B. Shauer, poultry judge; M. J. Keiley, pet game judge; Robt. Kuschmann, pigeon judge; C. F. Kammerer, sec'y.

Nov. 28-Dec. 2. — Keystone Poultry, Pigeon and Pet Stock Association, of Philadelphia, Philadelphia, Pa. H. Kline, sec'y.

Nov. 28-Dec. 2.—Charlotte Fanciers' Association, Charlotte, Mich. Sharp Butterfield, judge; F. M. Grier, sec'y.

Nov. 29-Dec. 1.—Brockton Poultry Association, Brockton, Mass. J. W. Shaen, D. J. Lambert, W. B. Atherton, judges; W. L. Puffer, sec'y.

Nov. 29—Dec. 2. — Thoyer Co. (Neb.) Poultry Club, Hebron, Neb. F. H. Shellabarger, judge; D. J. Richards, sec'y.

Dec. 4-9.—Central Michigan Poultry, Pigeon and Pet Stock Association, Lansing, Mich. Sharp Butterfield, judge; Jas. C. Welch, sec'y.

Dec. 4-8.—Elmira Poultry Ass'n, Elmira, N. Y. F. B. Zimmer, Geo. H. Burgott, judges; Judd H. Johnson, sec'y.

Dec. 4-8—North Missouri Poultry and Pet Stock Ass'n., Macon, Mo. W. S. Russell, judge; E. M. Durham, sec'y.

Dec. 5-8—Rhode Island Poultry Ass'n, Westerly, R. I. C. S. Flanders, H. S. Ball, judges; H. S. Babcock, 74 Weybosset st., Providence, R. I., sec'y.

Dec. 6-9.—Adirondack Poultry and Pet Stock Association, Johnstown, N. Y. H. J. Quilhot, sec'y.

Dec. 11-15.—Blue Valley Poultry Association, Crete, Neb. Theo. Hemes, judge; C. B. Perry, sec'y.

Dec. 11-15—Chautauqua Co. Poultry and Pigeon Ass'n, Fredonia, N. Y. J. Y. Bicknell, Theo. Johnson, judges; H. D. Kirkover, Jr., supt.; P. R. Bartram, sec'y.

Dec. 11-16.—Bloomington Poultry Association, Bloomington, Ill. W. S. Russell, judge; F. C. Luettig, sec'y.

Dec. 12-15.—Egyptian Poultry Association, Nashville, Ill. A. S. Muller, sec'y.

Dec. 12-15.—Blue Grass Poultry Association, Nicholsville, Ky. N. J. Geoby, judge; W. S. Hendren, sec'y.

Dec. 12-15.—Sycamore Poultry and Pet Stock Association, Sycamore, O. Chas. McClave, judge; E. A. St. John, sec'y.

Dec. 12-15—Cerro Gordo Poultry and Pet Stock Ass'n, Mason City, Ia. Geo. D. Holden, judge; Jno. D. Reeler, sec'y.

Dec. 12-14—Milford Poultry Ass'n, Milford, Mass. H. S. Ball, H. B. May, D. J. Lambert, judges; W. H. Pyne, sec'y.

Dec. 12-16.—Crestline Fanciers' Association, Crestline, O. I. K. Felch, judge; E. R. Warden, sec'y.

Dec. 13-16—West Chester Poultry and Pigeon Ass'n, West Chester, Pa. Sharp Butterfield, judge; Edw. S. Hickman, Cheyney, Pa., sec'y.

Dec. 26-30. — Bloomington Poultry and Pet Stock Association, Bloomington, Ill. F. J. Marshall, judge; W. F. Jefferson, sec'y.

Dec. 18—23.—Iowa Falls Poultry Ass'n, Iowa Falls, Ia. F. H. Shellabarger and Thos. F. Rigg, judges; Walter Cutting, sec'y.

Dec. 18—23.—Arkansas State Poultry and Pet Stock Ass'n, Fort Smith, Ark. H. A. Bridge, judge; H. B. Mizell, Pine Bluff, Ark., sec'y.

Dec. 18-20.—The Wabash Valley Poultry, Pigeon and Pet Stock Association, Oakland City, Ind. Ben S. Meyers, judge; P. L. R. Crowder, sec'y.

Dec. 19-22.—Central Eastern Illinois Poultry Ass'n, Paxton, Ill. I. N. Barker, judge; E. B. Pitney, sec'y.

Dec. 19-23—Belmont County Fanciers' Association, St. Clairsville, Ohio. Ira C. Keeler, judge; J. W. Riley, sec'y.

Dec. 20-23.—Stockton Poultry Association, Stockton. Kan. F. C. Mullins, judge; N. N. Nehr, sec'y.

Dec. 20-23.—Ottawa County (Kan.) Poultry Association, Minneapolis, Kansas. W. B. Hathaway, judge; L. A. Henry, sec'y.

Dec. 22-26.—Fanciers' Association of New Jersey, Washington, N. J. Charles Nixon, sec'y.

Dec. 25-28.—Elgin Poultry Association, Elgin, Ill. B. N. Pierce, poultry judge; J. M. Reil, pigeon judge; W. J. Turner, sec'y.

Dec. 25—31.—Wisconsin Poultry Ass'n, Waupaca, Wis. I. K. Felch, judge; W. H. Laabs, sec'y.

Dec. 26-30—Butler Co. (Kas.) Fancy Poultry and Pet Stock Ass'n, El Dorado, Kas. J. C. Snyder, judge; C. H. Patterson, sec'y and treas.

Dec. 26-30.—Iowa State Poultry Association, Keota, Ia. F. W. Hitchcock, W. S. Russell, judges; W. L. Holmes, sec'y.

Dec. 26-30.—Oklahoma State Poultry Association, Oklahoma City, Oklahoma. J. W. Wale, W. S. Fite, judges; L. F. Laverty, Guthrie, Oklahoma, sec'y.

Dec. 27-28.—Wallkill Valley Poultry, Pigeon and Pet Stock Association, Walden, N. Y. W. J. Stanton, judge; Hector Millspaugh, sec'y.

Dec. 27—30.—Galena Poultry Ass'n, Galena, Ill. F. H. Shellabarger, judge; F. J. Hoelting, sec'y.

Dec. 28-31.—Ypsilanti Poultry Association, Ypsilanti, Mich. Sharp Butterfield, judge; W. B. Meanwell, sec'y.

1900.

CHANGE OF DATE.

The Chicago show will be held the last week in January, 1900. The change is wisely made, as conflict with other important shows is thus obviated. The date now named is one convenient to those exhibiters who wish to take in a circuit.

Jan. 1-6—St. Louis Fanciers' Ass'n, St. Louis, Mo. Sharp Butterfield, H. A. Bridges, poultry judges; F. W. Gilbert, Geo. Ewarld, pigeon judge; John A. Francisco, 1201 Lincoln Trust Bldg., sec'y.

Jan. 2-5.—Essex County Poultry Association, Peabody, Mass. Arthur Elliott, sec'y.

Jan. 2—6.—Plymouth Co. (Iowa) Poultry Ass'n, Le Mars, Ia. F. H. Shellabarger, judge; G. A. C. Clarke, sec'y.

Jan. 2-7.—Winona Inter State Poultry Association, Winona, Minn. D. T. Heimlich, judge; Henry Hess, sec'y.

Jan. 4-9.—Northern Indiana Poultry, Pigeon and Pet Stock Association, Goshen, Ind. Jas. A. Tucker, judge; J. A. Babcock, sec'y.

Jan. 5—9.—Toledo Fanciers' Ass'n, Toledo, O. Sharp Butterfield, Geo. Ewald, judges; Geo. F. Mueller, 425 Tecumseh st., sec'y.

Jan. 5—11. Flower City Poultry and Pigeon Ass'n, Rochester, N. Y. John Drechsler, sec'y.

Jan. 8-12.—Michigan State Poultry and Pigeon Association, Detroit, Mich. Sharp Butterfield, H. A. Bridge, Jas. A. Tucker, judges; John A. Grover, sec'y.

Jan. 8-13.—Indiana Poultry Association, New Albany, Ind. B. N. Pierce, D. T. Heimlich, judges; Frank Hech, New Albany, Ind., sec'y.

Jan. 8—13.—Kansas State Poultry Ass'n, Topeka, Kans. F. H. Shellabarger, judge; J. W. F. Hughes, sec'y.

Jan. 8-22.—Tacoma Poultry Association, Tacoma, Wash. Theo. Hewes, judge; Chas. C. Johns, 402 Berlin Bldg., sec'y.

Jan. 10-12.—Charlotte Poultry Association, Charlotte, N. C. D. J. Lambert, judge; W. M. Barringer, sec'y-treas.

Jan. 15-19. — North Central Illinois Poultry Association, Princeton, Ill. E. W. Brown, A. H. Currier, W. G. Warnock, judges; S. L. Smith, sec'y.

Jan. 15-19.—Northern Illinois Poultry Association, Belvidere, Ill. F. B. Zimmer, Ben S. Meyers, judges; Bert R. Lucas, sec'y.

Jan. 15—20.—Western Poultry Fanciers' Ass'n, Cedar Rapids, Ia. D. J. Lambert, J. A. Tucker, G. D. Holden, judges; Chas. H. Playter, sec'y.

Jan. 16-18.—Port Huron Poultry, Pigeon and Pet Stock Association, Port Huron, Mich. H. O. Kilets, sec'y.

Jan. 17-22.—Boston Poultry Association, Boston, Mass. Arthur R. Sharp, sec'y.

Jan 22-27—National Fanciers' Ass'n. of Chicago, Chicago, Ill. Fred L. Kimmey, Morgan Park, Ill., sec'y.

Jan. 30-Feb. 2.—Carlinville Poultry Club, Carlinville, Ill. D. T. Heimlich, judge; Perry Duckles, sec'y.

Jan. 30-Feb. 2.—New York Poultry, Pigeon and Pet Stock Association, New York, N. Y. H. V. Crawford, Montclair, N. J., sec'y.

Sharon Pa., June 7, 1899.

Editor American Poultry Journal.

DEAR SIR:—Since writing to you before, we have hired Sid. Conger as judge of our poultry show Jan. 17-18-19, 1900.

Very Respectfully,
JAS. S. HOFFMAN.

CHARLOTTE (MICH.) FANCIERS' ASSOCIATION.

Charlotte, Mich., June 29, 1899.

Editor American Poultry Journal.

DEAR SIR:—The Charlotte Fanciers' Association will hold their next show Nov. 28, to Dec. 2. Butterfield, judge; D. C. Hoodemaker, president; Charles E. Banghman, vice president; F. M. Grier, secretary; W. G. Mitchell, assistant secretary; L. A. Newark, treasurer; W. Greensmith, superintendent. We are first on the list of Michigan shows, and will give the breeders a good chance to see how they stand for the "big ones" to follow. I remain, yours sincerely.

W. GRANT MITCHELL.

Address all correspondence to F. M. Grier, secretary.

A STRONG TESTIMONIAL FOR CYPHERS INCUBATORS.

Many western breeders complain that owing to their high altitude they have been unable to bring off satisfactory hatches in incubators using moisture. The Cyphers Incubator Co., of Wayland, N. Y., guarantee their machines to do as good work in these high places as in the East. The following letter from the Montana College of Agriculture and Mechanic Arts will show our readers West this claim is well founded and that The Cyphers No-Moisture Incubator will operate successfully under the most trying conditions.

MONTANA COLLEGE OF AGRICULTURE AND MECHANIC ARTS, Bozeman, Mont.

Cyphers Incubator Co., Wayland, N. Y.

GENTLEMEN:—The child is born, and it is my duty to report. Machine set up 5-27, ran four days before loading, first thirteen days there was not ½ degree variation in temperature. Temperature was noted six times per day. At no time during the 21 days' incubation did the temperature vary 2 degrees. We had a 92 per cent. hatch. Chicks all strong and healthy. Yours is the third machine we have tried in the last four years, others have been flat failures. Had decided incubators were N. G. at an altitude 4,793 feet. You are welcome to make any use of this communication that seemeth good to you. Yours truly,

J. M. EMERY, Director.

Montana Experiment Station.

Adv.

LIGHT BRAHMA POINTERS.

C. C. Richards, proprietor of the Willowhurst Light Brahma yards, has upward of 300 chicks for fall trade, and will be prepared to offer a few extra early hatched for early shows. He will also dispose of a few of his best hens. Now, this Light Brahma stock is a crack-a-jack, and no breeder will go wrong in buying it. A Chicago show for the last three years would not have seemed perfect without this stock, that was such a prize winner. It is the Higley stock, which Mr. Richards purchased entire about a year ago.

On page 321 of our July issue we gave the address of J. T. French incorrectly as Cleveland, O. It should be 838 Urbana St., Toledo, O.

ROSE COMB BROWN LEGHORNS

See my record for past three years at Chicago. Chicago 1899, 4 firsts, 1 second, 2 thirds, 1 fourth, 1 fifth. Chicago 1898, 4 firsts, 2 seconds, 1 third, 2 fifths. Chicago 1897, 1 first, 1 second, 1 third, 1 fifth. Some choice cockerels for sale from $2 to $5. Eggs $1.50 for 13; $2.50 for 26.

C. J. LANCASTER, Maywood Cook Co., Ill.

Silver Laced Wyandottes and uff Leghorns.

For May and June I will sell eggs from my best pens at $1 per 13. Wyandottes are 90 to 93½ hens with a 92½ cock, a fine bird with fine laced wing-bar. Buffs are pure buff pullets mated to Mark Hanna, sire of 1st prize ckl. at Omaha. Order QUICK.

A. A. BISBEE, Hartley, Iowa.

Poultry for Profit, Pleasure or Show.

I have them as big as they grow, all breeds, for all purposes; rare birds a specialty; Turkeys, Geese, Ducks, Guineas, Peafowls, Pheasants, Pigeons and pet stock; Flemish, Giant and Belgan Hares; Jersey Cattle, Berkshire and Yorkshire Swine, Shropshire Sheep. Satisfaction guaranteed. Prices reasonable. Eggs at all times very low. Mention JOURNAL.

W. A. HOYT, Whitewater, Wis.

Black Langshans, White Rocks, and Belgian Hares.

A fine lot of young stock will be ready for the early shows.

A. S. PARSON,
Garden City, Kas.

Special Fall Circular Now Ready.

BUFF COCHINS—I am prepared to furnish heavily feathered youngsters of the correct shape and **SOLID BUFF** throughout.

BUFF PLYMOUTH ROCKS—Nugget Strain.

EXHIBITION COOPS, LEG BANDS, HANCHETT'S FOWL CATCHER—Patented; price, postpaid, 20c.

LIQUID LICE KILLER 50c per gallon, delivered. I want every A. P. J. reader to have my circular. Simply drop me a card. This means **YOU.** H. N. HANCHETT, Jackson, Mich.

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THE best fanciers, breeders and exhibitors of fine poultry subscribe to and advertise in ***The American Fancier.*** It is the only exclusive *weekly* paper of its kind that gives all the Reports and News of the Shows. Circulation world-wide. **Over 1,000 Big Pages a Year.** The only poultry paper having a complete printing plant exclusively devoted to it. It is conducted and edited by **J. H. Drevenstedt.** Subscription price one dollar a year. Less than two cents a week. Single copies five cents.

Special Midsummer Offer

To readers of American Poultry Journa who are not now subscribers of ***The American Fancier*** we will send the latter one year for

50 Cents.

This offer is good until September 15 only. Address

The American Fancier,
Johnstown, N. Y.

Mention American Poultry Journal when answering this ad.

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WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Bargains.

For want of room I shall sell at a bargain some of my breeders in Barred Plymouth Rocks, with score cards by Felch. Prices right. Address

G. N. KERSTEN, Chilton, Wis.

Special Bargain

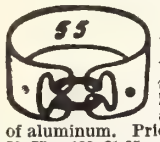
During the month of August I will send the following goods, worth $1.60 for $1:

100 lb. bag Crushed Oyster Shells,	80c
One Economy Harness Riveter,	60c
One Box Harness Rivets,	10c
Snap Shot Lice Paint Formula,	10c
Total value,	$1.60

HARRY HILL, Havana, Ill.

SMILE

WITH US. WE ARE GOING to make the greatest offer you have heard of in many a day. Of course you have heard of us but we want you to know us better, and to introduce the merits of THE EASTERN FARMER as a monthly poultry magazine, we will send a trial subscription to you **6 MONTHS FOR 10c** or for 50c will publish a six-line classified ad two months and send you the paper one year free. THE EASTERN FARMER, STAMFORD, CONN. F. J. Billard, Am. Black Minorca Club, Editor. 7-3



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Circulars and sample leg band free. Get my prices on *up-to-date* printing "Peerless" Leg Bands *stay on* and *stay bright*. They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed.

B. F. Huntington, Platteville, Wis.

POULTRY FOOD

	50 lbs.	100 lb.
Beef Meal	$1.00	$1.80
Concentrated Meal	1.00	1.80
Ground Beef Scraps,	1.00	1.80
Granulated Bone	1.10	2.00
Fine Ground Raw Bone Meal	1.00	1.80
Mica Crystal Grit		.75
Crushed Oyster Shells		.65

C. A. DAMON,* 2470 Monroe st., *Chicago.

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3⅛x5½ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x5⅝ in., at same price. ☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash. ☞No less than 100 of any one kind printed. No samples sent to any one whatever.

JEFFIE R. HUDSON, HARDIN SPRINGS, KY.

(Mr. Hudson is perfectly reliable.—EDITOR.)

Eggs, Eggs, Eggs.

BANNER EGG FOOD and TONIC

is the greatest egg producer ever known.

We Sold Over 5000 1-lb. Cans in 1898.

It also helps the hens through the moulting period and starts them laying early in the fall, when eggs are scare and prices are high. Price, 25c per 1-lb. can; 5 cans $1. Small sample mailed free. Our immense 1899 illustrated catalogue mailed free if you mention you saw this ad in American Poultry Journal.

Excelsior Wire & Poultry Supply Co.,

28 Vesey st., New York City

W. V. RUSS, Prop.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

BLOOMINGTON POULTRY ASSOCIATION.

Bloomington, Ill., July 3, 1899.

Editor American Poultry Journal.

DEAR SIR:—The Bloomington Poultry Association will hold its eighth annual show Dec. 11 to 16, 1899, inclusive, with W. S. Russell, judge, and we have adopted the following premium list on a 25 cent entry fee for a single bird. Twenty entries or more, first, $2.50; second, $1.50; 15 entries, or less than 20, first, $1.80; second, $1; 10 entries, or less than 15, first, $1.25, second, 75 cents; 5 entries, or less than 10, first, 60 cents, second, 35 cents. All single classes under 5 entries, ribbons. Breeding pens, 50 cents entry each pen; ten or more pens, first, $2.50, second, $1; 5, or less than 10 pens, first, $1.50, second, 75 cents; 2, or less than 5 pens, first, 75 cents, second, 50 cents. With the large list of special premiums I think that it will be well for the fanciers to remember our show.

F. C. LUETTIG, Secretary.

IOWA FALLS POULTRY ASSOCIATION.

Editor American Poultry Journal.

DEAR SIR:—The Iowa Falls Poultry Association will hold their next annual exhibition at Iowa Falls, Iowa, Dec. 18 to 23, 1899, F. H. Shellabargar and Thomas F. Rigg have been selected as judges. The officers are as follows: President, Ira Buzzell; vice president, Isaac Rich; treasurer, A. Thomas; secretary, W. E. Cutting. Committee have already received several silver cups and other valuable specials. Respectfully,

B. R. BRYSON.

CHAMPAIGN COUNTY (ILL.) FAIR ASSOCIATION.

The twenty-ninth annual exhibition of the Champaign County Fair Association will be held at Champaign, Ill., commencing Tuesday, Aug. 29, 1899, and continuing four days. The poultry department in this fair is very strong, and will be stronger this year than heretofore. Mr. B. N. Pierce of Indianapolis will tie the ribbons. Ample room will be provided for all exhibits. Write to R. D. Burnham, Champaign, Ill., for premium list.

ELGIN POULTRY ASSOCIATION.

The fanciers of Elgin have recently organized a poultry association to be known as the Elgin Poultrymen and Fanciers' Association, and they will hold their first annual exhibition Dec. 25 to 28, 1899. W. J. Turner is secretary. They have issued a very neat constitution and by-laws, which is well filled with advertising matter, and the club starts out with every reasonable prospect for a successful future.

CARLINVILLE POULTRY CLUB.

Carlinville, Ill., July 15, 1899.

DEAR SIR:—The "Carlinville Poultry Club" has been lately organized with the following officers: Casper Zengerle, pres.; Chas. Masters, vice pres.; Perry Duckles, sec.; C. H. C. Anderson, ass't sec.; H. W. Meyer, treas.; Robt. Whitely, Jr., sup't. We have about thirty-five members and will hold our first annual show January 30 to February 2, in Carlinville, Macoupin county, Ill., with D. T. Heimlich as judge. Yours truly,

PERRY DUCKLES, Sec.

White Ply. Rocks, Exclusively for 10 Years.

50 choice yearling breeders for sale at a great bargain, to make room for young stock. Here is a chance to get A.No.1 stock for little money.

JAS. S. HOFFMAN, Sharon, Pa.

Barred Plymouth Rocks,

of Montauk Strain.

Equal to the best in the land. Stock for the fall shows at reasonable prices. Address

R. W. DURYEA,

Great River, L. I.

North Side Poultry Yards.

SILVER and BUFF WYANDOTTES.

No eggs. Stock for sale at all times. Agents for Spratt's Patent Poultry Food. Send for circular or write your wants.

A. & E. TARBOX,

Box A 5. Yorkville, Ill.

Roberts' Buff Rocks

are known wherever Buff Rocks are known, and what is better still, it's their merits that make them popular. Circular tells all about them.

Eggs reduced to $1 per sitting; 6 sittings $5.

R. W. ROBERTS, Box 4, Camroden, N. Y.

SILVER WYANDOTTES.

Remember they are quick growers and plenty of time yet to hatch December and January show winners all this month. Will fill orders for eggs very promptly. Price, $3 for 13, straight. Remember also that my Silver Wyandottes have the laced wing-bar and "open" centers in the back that one can see 30 feet away. Address

HENRY STEINMESCH,

Lincoln Trust Building. St. Louis, Mo.

Blue Barred Plymouth Rocks,

Bradley Bros. Strain.

Large and showy, well barred, fine in shape and color, and no brassiness; legs and beaks a nice orange color. They are as fine a flock as there is the West. I have bred them 2 years and have been very particular to breed them to the Standard. Eggs, $2.50 per 13. No circulars. Write for price.

LEVI McNETT, Woodstock, Ill.

Eggs Half Price

30 for $1.50.

Light Brahmas, B. P. Rocks, S-c. Brown Leghorns. This price for remainder of season only. Belgian Hares, three months old, $1.50 per pair.

GEO. O. ANDERSON,

Homer, Ind.

W. P. ROCKS.

The hatching season is over. I have winners that will be ready for the judges by October. They are yours at a fair price.

W. M. JAMES,

Box 123. Alvin, Ill.

S. C. B. LEGHORN

COCKERELS *Damon Strain.*

Have a lot of early hatched, extra well marked birds, that will be ready for delivery after October 1st. BREEDERS all sold. Write your wants.

C. M. DAVIDSON,

Chicago Lawn, Ill.

300 Chicks and a few choice Hens FOR SALE

Higley's Lt. Brahmas

Elegant Catalogue Free

WILLOWHURST BRAHMA YARDS CEDAR RAPIDS, IOWA.

THE AMERICAN PLYMOUTH ROCK CLUB.

Editor American Poultry Journal.

The American Plymouth Rock Club has made great strides of advancement the past season, and as the show season of 1899-1900 approaches, it brings to me many inquiries as to the part this club will take, its meeting place, etc.

I take this means to post all breeders of Barred Plymouth Rocks of our intentions, and respectfully to ask all to see to it without delay that they are enrolled as members, so they may compete for the silver cup special prizes and also receive all other benefits.

Every state having ten or more members will receive a silver cup as a special prize to be competed for by state members only; it will be offered at any show that the members may select—as we wish these prizes to be popular, and the only conditions to compete are you must be a member in good standing.

Every state having at least ten members will elect an honorary vice president from among their number.

All lady breeders are admitted free from all charges. I hope ere long our club may claim them all as members.

New ideal cuts and a club seal are now being made. They will be for members' use only.

The new club catalogue will soon be out. I have held it in order to have the use of the new cuts; also that all wishing to join may have this opportunity to have their names appear in it.

The time or place for the annual meeting has not been selected; several associations have made liberal bids for same, with still others to hear from. Many questions of vital importance to every breeder will be brought up for action, therefore every breeder who has the welfare of the breed at heart should, without further delay, correspond with me. I will gladly furnish circulars and any information requested. Write me to-day.

H. P. SCHWAB,
Secretary and Treasurer.

Rochester, N. Y., July 12, 1899.

BROCKTON POULTRY ASSOCIATION.

A well attended meeting of the Brockton, Mass., poultry association was held at No. 15 Green street, June 22, and the question of an exhibition for 1899 brought up. After much discussion it was voted that the exhibition of birds should be held by the members only, the same to be open to the public on the dates of Nov. 29, 30 and Dec. 1, 1899, for examination. The show given last year by the club was held during the "Eastern blizzard," and while it did not come on until most of the birds had arrived, and the exhibition was by far the best the club ever gave, it gave the attendance a black eye. As all the important breeders in this section belong to the club, with a very few exceptions, it was thought best to have this plan used for this year. The large expense of a premium book would be saved, as all standard varieties will be prized and scored by competent judges. The judges engaged are J. W. Shaw, D. J. Lambert and W. B. Atherton. The officers of the club for 1899 are Merton E. Holmes, president; William L. Puffer, secretary; C. W. Bixby, treasurer; president, L. Peterson, D. W. Green, W. B. Atherton, W. J. Rankin, directors. Further plans of the exhibition will be fixed by the directors at a future meeting. W.

WHITE . . . . .
WYANDOTTES
EXCLUSIVELY.

Eggs for sale, $2 for 15. Stock in season. Breeding from First Prize Cock at the Chicago Show. My stock is as good as the best. DANIEL PURNELL,
Geneva, Ill.

Lake's Special Offer for Aug.

For 50 cts. We will send a half-gallon can of ***Lake's Lice Exterminator,*** which will rid your houses and birds clear of lice and mites in a few hours by painting the roosts, drop boards and nest boxes; and a half-pint bottle of ***Lake's Poultry Tonic,*** which prevents and cures bowel trouble, roup cholera and indigestion; it is also the greatest egg producer and conditioner for poultry known.

For 75 cts. We will send a one gallon can of ***Lake's Lice Exterminator*** and a half-pint bottle of ***Lake's Poultry Tonic.***

Send for a sample order and if suited take the agency in your vicinity. Address,

G. W. LAKE,
Gen. Manager.

LAKE REMEDY CO.,
St. Louis, Mo.

White Cochins | **Black Langshans** | **Single-Combed Brown Leghorns**
Barred Plymouth Rocks | **Light Brahmas** | **Pekin Ducks**
White Plymouth Rocks | **Cornish Indian Games** | **Bronze Turkeys**

Bred at Poplar Farm
Mahomet, Illinois.

Write R. D. Burnham, Champaign, Illinois, Sup't Poultry Exhibit of Champaign County Fair Association for premium list for 1899 exhibit.

ALL stock is farm raised from pens mated to secure best results. We do not have as many birds as some but every pen is carefully culled and nothing but the best are retained for breeders. All eggs will be carefully packed and safe arrival guaranteed. All inquiries should be addressed to

Edward Kuster, Sup't, Mahomet, Ills.
R. D. BURNHAM, Owner. Champaign, Ills.

None Better, If as Good.

12 Bargains.

I have for sale **12 Buff Cochin Hens** that will ornament any show room and win a large share of the prizes. The fact that they are of my noted **"GOLD DUST STRAIN"** will sell them, aside from the individual merits of each bird. Remember, I only have twelve for sale and it will be necessary for you to write quickly if interested. Address

T. F. McGREW, 1267 Broadway, Room 7, New York City.

"THIS IS IT."

The Utility Farm of the Age.

Plainfield Poultry Farm Co., Plainfield, N. J.

THE HOME OF

Corby's S-c. Wh. Leghorns.

The great winter laying strain.

Hundreds of youngsters bred this year from our Madison Square winners. You order—we guarantee satisfaction.

Also breeders of White Wyandottes, White and Barred Plymouth Rocks, Pekin Ducks. Circular free.

S. B. CORBY, Mgr.

Buff P. Rocks, Single and Rose-comb Buff Leghorns; my own "ORANGE STRAIN" exhibition and breeding birds now for sale at right prices. Write,
L. B. HANNA, Columbus City, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

CHARLOTTE POULTRY ASSOCIATION, CHARLOTTE, N. C.

At their annual meeting of stockholders elected the following named gentlemen as directors for the season: J. M. Gibbs, Statesville; R. L. Abernathy, Mt. Island; W. D. Harrell, Ellenboro; E. B. Watte, Statesville; S. W. Porter, Hebron; D. C. Moore, Cluster; N. J. Sherrill, W. M. Barringer, B. S. Davis, D. H. Moyer, W. B. Alexander, G. H. Windle, Charlotte. And the board of directors selected the officers and executive committee: J. M. Gibbs, Statesville, president; W. B. Alexander, Charlotte, vice president; W. M. Barringer, Charlotte, secretary and treasurer; S. W. Porter, Hebron, superintendent. Executive committee: N. J. Sherrill, W. B. Alexander, W. D. Harrill, B. S. Davis, W. M. Barringer. The date for the next show was then set to Jan. 10, 11 and 12, 1900, and Mr. D. J. Lambert of Appanaug, R. I., selected as judge for the show. The 1900 show promises to be one of the largest ever held in the South.

It will be held in the large auditorium of the city hall, which is claimed by all who have ever seen it that it is the nicest and best lighted hall in the South for a poultry show.

They are now preparing a handsome premium list, which will be ready on Nov. 15, and we would suggest that any one wishing to attend or send birds to the big show would send their names to the secretary, in order to have one mailed them. The association will offer liberal cash premiums on all classes, besides the specials, both in cash and poultry sundries, that will be offered.

WESTERN ILLINOIS POULTRY AND PET STOCK ASSOCIATION.

The fourth annual exhibition of the above Association will be held in Rock Island, Ill., Nov. 28 to Dec. 2, 1899.

The Association will issue about 3,000 Premium Lists for this Exhibition which will be distributed among the best class of Poultry Fanciers and business men throughout this section of the country.

Besides Cash Specials being offered, the Association has already secured from the merchants of this city a grand list of Specials that are useful and valuable to anyone who may win them. All Specials and Advertisements must be in the hands of the Committee not later than Aug. 1, 1899. Cash must accompany all order for advertisements.

Donors may, if they desire, designate the class or individual Exhibit to which they desire their specials to be given. If they do not so designate, the Executive Board will place the same where in their judgment they will do most good.

THE NORTH CENTRAL ILLINOIS POULTRY ASSOCIATION.

In a letter from Secretary S. L. Smith, he says: It has been our aim to get the ribbons up as early as possible, and with three judges we hope to be able to do so. Our show has a reputation for special premiums which will be equal this year to any heretofore. Our $50 cup will be one of the leaders. We shall, this year, have 1st, 2d, 3d and 4th premiums, instead of three. Our premiums are on the percentage plan. The outlook is more promising than ever for a large show. Our catalogue can be secured by dropping a card to S. L. Smith, sec'y.

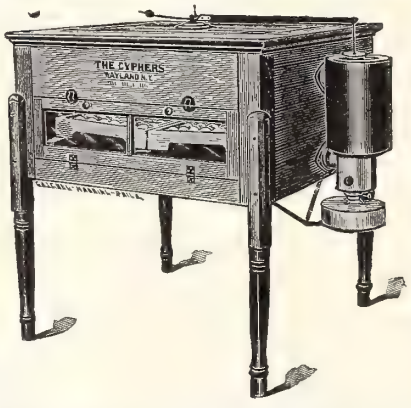
Eggs Sure to Hatch

—the kind that will produce **strong, vigorous chicks,** depend upon the vitality of the hen that lays them. She must not be fed on **heating, debilitating food.** Really the best thing for the breeding hen is our

PIONEER CLOVER MEAL.

It makes young chicks grow rapidly. Wonderful for broilers. Makes sweet, tender, high-flavored flesh. It is made from clean clover hay, cured by our own special process so as to preserve all the bright green color and the delicious aroma and essential oils. It is ground into the finest meal by our powerful and specially designed machinery. **No additions, no adulterations,** but **clean, pure, sweet and wholesome poultry food.** Then, too, it is quite cheap—only costs: 50 lbs. $1; 100 lbs. $2; 5 lbs. 25c. Use it this winter and get eggs when eggs are worth money. Sample and editorial indorsements **FREE.**

The Bennett & Millett Co., Box A, Gouverneur, N. Y.



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Better and More Popular than Ever.

REQUIRES NO MOISTURE.

Send ten cents for our great treatise on the poultry industry. Nothing like it ever before issued. Also investigate the Cyphers Brooders, which are doing wonders for all users.

THE CYPHERS INCUBATOR CO.,
Box 4, Wayland, N. Y.

DON'T BUY A PIG IN A POKE.

Don't buy any Incubator and pay for it until you have given it a thorough trial.

Some Incubators are made only to sell and were never intended to hatch chickens.

WE SEND THE **Von Culin Incubators** ON TRIAL

and you pay for them only when fully satisfied. They are the easiest to handle; a child can run one successfully. We send the largest catalogue and best treatise on incubation and poultry culture published for 5c. **Plans for Brooders, Poultry Houses, etc., for 25c.**

VON CULIN INCUBATOR CO. 2 Adams St. Delaware City, Del.

The Star Incubator Never Fails

nor disappoints. No guessing in its operation. Catalogue Free.

Simple, Accurate and no Moisture to be Supplied.

STAR INCUBATOR CO., Bound Brook, N. J.

A Popular Combination.

We will send you AMERICAN POULTRY JOURNAL, one year, and Geer's Poultry Book,

"The Chicken Business, How to Make it Pay,"

post-paid for 60 cents. Try it.

AMERICAN POULTRY JOURNAL, 325 Dearborn st., Chicago, Ill.

Winners.

Our birds won the best prizes wherever shown during the past winter and the superior matings in our breeding yards this season have produced stock that can and will win at the coming winter shows and fall fairs. Do you want such stock? LARGEST POULTRY PLANT in Ohio. This country's best Turkeys, Geese, Ducks, Chickens, Guineas, Peafowl, etc., etc., etc. Address

CHAS. McCLAVE, 416 Ashland st., New London, Ohio.

EMPIRE STRAIN WHITE PLY. ROCKS.

No Culls. Eggs and stock all the year.

B. P. Rocks, Buff Wyandottes, Buff Cochins.

Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

E. M. DURHAM, LaPlata, Mo.

BUFF ORPINGTON'S welcomed to America.

England's most popular fowl. Wonderful egg producer. Madison Square, N. Y., 1st pen, 3rd and 4th pullets. Boston, 1st cockerel, 1st pullet. Mt. Gretna, Pa., 1st cock, 1st hen, 1st cockerel, 1st pullet. Catalogue tell the others. Eggs from imported stock, $3.00 per 13, $6.00 per 30. White Wyandottes and Buff Rocks $1.50 per 15, $3.00 per 30. Stock for sale. Satisfaction guaranteed. Circular free.

C. E. VASS, Washington, N. J.

Welch's S-c. B. Leghorn.

Prize Winners . . . Wherever Shown.

Celebrated Brace and Walling Strain.

Have bred them 7 years. None better. *Chicago Winner*, cockerel in 1898 to head my yards mated to pullets scoring not less than 93. As a cock he won 1st prize at Cent, Mich. show 1898, score 93½. Breeding stock for sale at reasonable prices. *Eggs $2 per sitting from pen No. 1; 2 for $3.50; 3 for $4.50* From other pens, *$1.50 per sitting; 3 for $3.50. Satisfaction guaranteed.*

J. C. WELCH, WEBB CITY, MO.

REV. JOHN HUGHES, Table Grove, Ill.

White Plymouth Rocks.

Also Barred Plymouth Rocks and Buff Cochins. Stock as good as the best—no exceptions.

Walnut Grove Poultry Yards

Barred Plymouth Rocks, Exclusively,

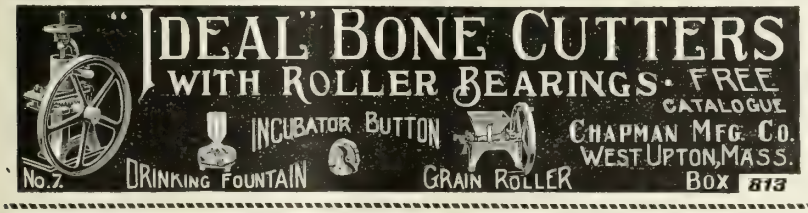
Seven breeding yards for 1899 composed of prize winning males and females. Male's score 91 to 93. Females 90 to 94½ by Shellaburger, Snyder and Pierce. 50 cockerels and 75 pullets. Good breeders for sale. Cards by authorized judges. New illustrated circular ready February 1st. Get one before placing your egg orders; free if you mention A. P. J. Satisfaction guaranteed.

O. L. KING, Walnut Grove, Ill.

Raise Fall Chickens.

Eggs from good BROWN LEGHORN and BARRED PLYMOUTH ROCK Fowls, $1.50 per 13. Egg Circular FREE.

H. B. GEER, Nashville, Tenn.



Hatch CHICKENS

WITH THE **EXCELSIOR INCUBATOR**

Simple, Perfect, Self-regulating. Thousands in successful operation. Guaranteed to hatch a larger percentage of fertile eggs at less cost than any other Hatcher.

Lowest-cost First-class hatcher made

WITH THE **Wooden Hen**

Most efficient small incubator ever invented. Perfect in every detail. Just the thing for poultry raising on a small scale, 50 egg capacity.

Catalogs Free.

CEO. H. STAHL, Patentee and Sole Manufacturer, 114 to 122 S. Sixth St., QUINCY, ILL.

ROUP CURE GUARANTEED, ROUP

CONKEY'S ROUP CURE—the only remedy positively known to cure Roup in all its forms as long as the fowl can see to drink. Simply put the cure in drinking water and the fowl will take its own medicine. **For Canker**, especially in pigeons, this remedy excels all others. One 50c package makes 25 gallons of medicine. **Directions** with every package. If this fails to cure we refuud the money. Postpaid, small size, 50c; large size, $1. Petaluma Incubator Co., Petaluma, Cal., Pacific Coast Agents.

AGENTS WANTED. **G. E. CONKEY & CO., CLEVELAND, OHIO.**

Please mention this paper. Do not send stamps.

RIGG'S LINE BRED 1874 SINCE HOUDANS

STANDARD OF HOUDAN EXCELLENCE IN AMERICA.

Breeding Stock. Am prepared to supply extra choice young stock, sired by "St. Elmo," also by "Imp" and by sons of "St. Elmo."

Exhibition Stock. Owing to my engagements as Judge I shall not exhibit the coming season. Can furnish winners.

Sec'y American Houdan Club. **THOS. F. RIGG, Iowa Falls, Iowa.**

THE COMBINATION INCUBATOR

is the latest and best thing out, made by the oldest and most reliable incubator factory in the U. S. We call this the incubator of our life, because we have had to accomplish two hard things in making it, best quality, lowest price; either one singly is easy; both combined—well, we do not need to say it was hard to do. But we have done it. If you are interested write for particulars. Book on roup, how to cure and prevent, 50 cts. Testing and hatching chart, $1; both at once, $1.25. 100-page catalogue of incubators and brooders, 5 cts. or stamps

J. L. Oampbell,

West Elizabeth, Pa.

Poultry That Will Samples and Printing Give Returns Prices Free.

B. F. HUNTINGTON, Platteville, Wis.

LOOK! 140-acre farm, 1500 cords wood and timber; keeps 20 head of cattle; can set 2000 sugar buckets; 12 room house, large barns, new sugar house, running water, lot of fruit; R. R. village, acadamy 3½ miles. Price $1100. Gunn & Co., "The Hustlers," Marlboro Depot, N. H.

Buff Plymouth Rocks.

Pure Nugget Strain Only.

Indiana State Fair Winners, 1898—won 1st cock, 2d cock, 2d breeding pen on four entries. My this years breeders for sale. Some fine hens, 5 choice cock birds, extra fine in shape and color, grand under-color. Prices low to make room for young stock. Young stock after Sept. Member American Buff P. Rock Club.

MRS. E. I. REYNOLDS, Haskells, Ind.

D. F. TAYLOR,

"The White Rock Man."

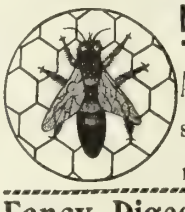
Thirteen years a breeder of "The Empire Strain" of White Plymouth Rocks and White Wyandottes, the two best utility fowls. Winning more firsts and specials on these two varities than any breeder. Quality regulates prices. Poor health compels him to offer his entire stock for sale without reserve. Address

D. F. TAYLOR, DeRuyter, N. Y.

Pekin Ducks and Live Pigeons WANTED.

Highest market price—no commissions charged, no deductions. Coops furnished free. Stamp for reply.

G. M. FISH, Joliet, Ill.



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The Weekly American Bee Journal Tells all about it.

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Fancy Pigeons For Sale.

Pouters, Archangels, black, white and blue Fantails, black, white, blue, yellow Muffed Tumblers, Black and Red Magpies, Red Jacobins, Black Trumpeters, Black Swallows, yellow and light blue Helmet Tumblers. I just received 24 prizes on 25 pairs of my pigeons at the largest poultry and pet stock exhibition held in the West at Cedar Rapids, Iowa, 500 pigeons in competition. I also won the Niles special prize and sweepstakes for finest collection of fancy pigeons. Prices way down. Address

P. NEWCOMB, box 355, Cedar Rapids, Iowa.

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Mammoth Bronze Turkey Farm,

Home of the Famous

National Strain of Mammoth Bronze Turkeys,

which have won more first prizes in the past four years than all competitors combined. That too in the hottest of contests. They won **SWEEPSTAKES** at the great **SILVER CUP SHOW** at Kokomo in a class of **TWENTY-TWO BIRDS.**

A clean sweep at Indianapolis great show—1st on young tom; 1st, 2d and 3d on hen; 1st, 2d and 3d on pullet; 1st on pen and special prize for best display. January, 1899, highest honors at four other shows.

In four shows these birds won as follows: **GRAND SWEEPSTAKES TWICE; GRAND SPECIALS FIVE TIMES! FIRST PRIZES 11; SECOND PRIZES 10; THIRD PRIZES 4 and FOURTH PRIZES 3.**

These birds scored as high as 97½ by Pierce. We have young stock for sale from these birds which are sure to produce prize winners. We have satisfied customers in every State and Territory in the Union and in Canada, Australia and many South American Republics. Ask for circular and prices.

THE FAMOUS STAR INCUBATORS—We handle this excellent machine, together with a full line of **POULTRY SUPPLIES.**

Send at once for Free Illustrated Catalogue of Turkeys, Chickens, Ducks and Poultry Supplies.

SAM B. JOHNSTON & CO., Box 345, Boggstown, Ind.

"RINGLETS" SOAR STILL HIGHER!

AT NEW YORK, FEBRUARY, 1898,

E. B. THOMPSON'S BARRED PLYMOUTH ROCKS

Win all the **Sweepstakes Cups and Trophies,** including the **Superb Challenge Trophy** for best cock, cockerel, hen, pullet and exhibition pen; **$100 Sterling Silver Cup** for finest exhibit; **Grand Special Sweepstakes Cup, value $100,** presented by the President, for best cock, cockerel, hen and pullet, **any variety.** My **Clean Sweep of 1st, 2d, 3d, 4th and 5th Prizes on Pullets** has never been approached in Madison Square Garden, and stands **alone** and **unequalled.** The record of both **1st and 2d** on breeding pens was also **phenomenal.** At **Madison Square Garden, 1895, 1896 and 1897,** my Barred P. Rocks won nearly **three times** as many 1st prizes as any other exhibitor. **GRAND STOCK** for sale. **EGGS** from finest exhibition matings: 1 sitting, $5; 2 sittings, $9; 3 sittings, $12. Richly illustrated catalogue on application. Address **E. B. THOMPSON, Box 510, Amenia, Dutchess Co., N. Y.**

EGGS from my "Golden Rod" BUFF ROCKS

Half Price the balance of the season.

100 CHOICE BREEDERS for sale at reasonable prices. Circular free.

W. C. DENNY, BOX J., ROCHESTER, N. Y.

WHITE PLYMOUTH ROCKS THAT WIN.

They are better than ever. A grand lot of white youngsters coming on. It's quality, not quantity with me. When you are ready write me. A few choice breeding hens for sale at $2 each.

R. M. GARD, Box A, Frankfort, Ind.

SALE BUFF ROCKS.

Now "Old Glory" proudly waves o'er Porto Rico;
The Phillipines are ours! Cuba is free!
Vast armies must be paid, and you meet the taxes laid,
By breeding Burdick's Nuggets, "don't you see?"

They are the winners at all large shows, Chicago, '99, included. I offer my this season's breeders—125 yearling hens; 30 cocks; 500 youngsters; show birds to win with. Prices right. Treatment square. I do not exhibit; my customers do and win. Write

H. S. BURDICK, Rome, N. Y.

HECK HAS SOME

little White Rock winners that will be ready to face the Judge in September.

They Will Win for You

as well as for me, and you can have some at a fair price. They are the kind that have made Heck's strain famous.

FRANK HECK, Box 12, New Albany, Ind.

Sec'y-Treas. American W. P. Rock Club.

FISHEL'S

White Plymouth Rocks

are finer than ever. If you want

Prize Winners

write me. I have some bargains for you in good breeders. If you will write me I am sure to please you. Remember, Fishel's White Rocks are the best in the world and always win. PRICES LOW. QUALITY HIGH. Send for circular.

U. R. FISHEL, Box A., Hope, Ind.

Look Ahead.

I am selling at a sacrifice now Barred Rock and Brown Leghorn fowls that will win for you this winter and produce stock that can repeat the trick next year. My record at Chicago and other big shows speaks for itself.

C. A. DAMON,

2470 Monroe st., Chicago, Ill.

MUST SELL

All our grand breeding stock in Buff Leghorns and Buff Rocks. Many winners in hot competition, with scores from 90 to 93½. 3 Buff Rock cocks, 92-93½; 10 hens and pullets; 2 Leghorn cocks, 90-91; 20 hens and pullets. *Must have room.* You can't afford to miss such a bargain Write for description and low prices.

THOS. H. MILLS, Box 77, Port Huron, Mich.

A Big Sale of Golden Wyandottes.

We offer, for 60 days only, 75 head of our past season's breeders at half price. These are grand birds which could not be bought till after we had used them—a chance in a life time. Eggs from our grand matings of Golden and Whites balance of season $1.50 per 15. We also breed Sebrights and Buff Laced Wyandottes. We have won nearly 100 prizes at New York in five years; thousands of other prizes at the largest shows. Large circular.

IRA C. KELLER, Box 75, Prospect, Ohio.

Dewey Has Won Prizes.

My **SUPERB Single-comb BROWN LEGHORNS** will **WIN** too. No stock scoring less than 92. My breeders are beautiful. Stock at reasonable rates for elegant birds. Sitting of 15 eggs, in fancy box, from these breeders for 2$, express paid.

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Breeder and Proprietor,
Rosehill Poultry & Fruit Farm, Rosehill, N. C.

White Wyandottes.

A few choice Breeders for sale cheap if you want something fine to start with here is a chance. Write to us.

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A Big Bargain.

We will offer for sale, to quick buyers, 75 of our Light Brahmas, Buff and Partridge Cochins; females at $1.00 each. Buy now and save from $2 to $3 on the head.

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You Will Find It on Page 375. Don't Miss It.

Vol. 30. *September, 1899.* *No. 9.*

AMERICAN POULTRY JOURNAL

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A fine trio of S. S. Hamburgs for sale at $4.

BANTAMS-Golden Sebright, Silver Sebright, Black African, White Rose-comb, White Polish, Black Cochin, White Cochin, Buff Pekin, Black Tail Japanese, Red Pile Game, Black Red Game, Golden Duckwing Game, Silver Duckwing Game, Cuckoo Cochin. Eggs $1.50 for 13. H. D. & H. P. TAYLOR,
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My yards contain the winners from Dubuque and Galena, Poultry Shows, Dec. '98. At Dubuque 1st cock, 1st hen, 1st and 3d cockerel, 2d and 3d pullet. At Galena 1st cock, 1st hen, 1st, 2d and 3d cockerel, 2d and 3d pullet, and 1st and 2d pen scores, 90 to 93¼. Eggs $2. per 13 straight.
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Prize Winners and Heavy Layers combined.
Pullets will be scarce; prices will be high. One year old hens make the best breeders. I have a few to spare. I also have the most promising chicks I have ever had. State just what you want when writing.
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—OF—
S-c. W. Leghorns,
Genuine Wyckoff Stock.
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Breeder and shipper of the following:
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Eggs from choicest matings for sale. Barred Rock, $2 per 15; $3.50 per 30; $5 per 50. Duck eggs $1 per 12; $3 per 50; $5 per 100. Write for catalogue of stock.
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Black Langshans,
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First-class Stock.
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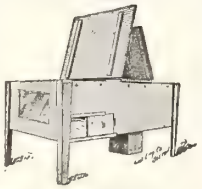
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Grown in Minnesota that will stand any climate.
Barred P. Rocks, R-c. Brown and White Leghorns, Light Brahmas, M. B. Turkeys, Pekin Ducks. Breeders and exhibition birds. I give the poultry business my entire attention, guaranteeing satisfaction. Write for catalogue and prices.
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Have Fought under Four Flags
And Never Met their Equals Yet
Write for circular. Mention this paper.
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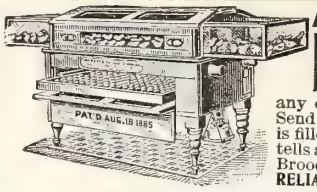
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Filling orders for eggs and stock from our high class of Houdans, B. P. Rocks, W. Wyandottes, W. P. Rocks. Write your wants. We will use you right, for we believe its right to do right. Eggs balance of season, 13, $2; 26 eggs $3.50.
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Millet Seed $1 per bu.; 10 bu. $7. A. J. BARGAHISER, Prop.

Indian Runner Ducks.
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have made in the past. Don't forget this when placing your orders.
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As the result of nearly 20 years continuous study and careful attention to their breeding and selection, they stand to-day unexcelled in standard qualities; unequalled in size, strength and vigor, and acknowledged everywhere **THE WORLD'S GREATEST LAYING STRAIN OF SINGLE COMB WHITE LEGHORNS.**
The present season's offering consists of over 1000 choice birds, comprising most of my fine stock of 1898 hatched hens, together with a grand lot of this season's fine, strong, early cockerels; altogether one of the best lots ever offered from my yards. Prices very low, quality of stock considered, and anyone in need of either single birds, pairs, trios, or any sized breeding pens, will make no mistake by investing here. Can furnish cockerels and hens not closely related, or the same not related to former stock sent out from my yards. When convenient for them to do so I shall be pleased to have intending purchasers visit my yards and examine stock before buying. When writing please state, as near as possible, the number and quality of birds wanted.
Large illustrated and descriptive circular free. Address
C. H. WYCKOFF,
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It is well known to readers of the newspapers that prices generally have been advancing steadily here of late, including those for labor, lumber and metals of all kinds. As a result the prices of all manufactured articles must soon follow suit, including the prices of incubators and brooders. This simply cannot be helped; there is no way of getting around it. The Cyphers Incubator Co., Wayland, New York, therefore, hereby gives notice to interested persons that so soon as their new catalogue and price list for 1899-1900 is issued, which will be about Nov. 1st to 15th, the prices of their incubators and brooders will be increased fully 20 per cent. All who think favorably of buying a strictly first-class incubator this fall or next winter will find it much to their advantage to immediately correspond with the Cyphers Co., in order to obtain what is wanted at the present low prices. The fact is that the Cyphers Co. is in a position, just now, to save a limited number of customers from $7 to $18 net cash, on single orders for incubators and brooders, depending on the size of machines bought. Write to-day for full particulars.

The Cyphers Incubators are Built for Business.

That's the idea. There's nothing fancy, nothing foolish about them; just straight, practical, lasting, honest goods. They are positively warranted to last ***TEN YEARS,*** without repairs, and are guaranteed to ***OUT-HATCH,*** during three trials, any other make of incubator on the market—bar none—

This, or Your Money Back.

Illustrated circulars and price list ***FREE;*** 136 page (8x11 inches) Cyphers Treatise on Incubation, Catalogue and Guide to Poultry Culture sent for 10 cents in stamps—worth dollars. Address,

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THE CYPHERS INCUBATOR CO., Box 5, Wayland, N. Y.

EGGS from B. P. ROCKS, B. LANGSHANS, and L. BRAHMAS.

Scoring up in the nineties, at $1.50 for 13, or $2.50 for 26. Mention this journal. Address.

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BUFF ROCKS—Winners at Indianapolis for years. Eggs $2 per 15; $5 per 40. Also Brown Leghorns, winners for 10 years. Eggs $1.50 per 15; $2,50 per 30.

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Bronze Turkeys, Barred P. Rocks, White Wyandottes, Buff P. Bantams and Embden Geese, write me for prices. I also breed prize-winning Oxford-Down Sheep. Mention A. P. J.

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Adirondack **BLACK MINORCAS.** Exclusively.

My Minorcas have a show record at **MADISON SQUARE GARDEN**, and elsewhere, which is proof of high quality. They are also bred for layers. **IT IS NOT TOO EARLY TO PLACE YOUR ORDER** for **EGGS** from my best prize matings, **BRED IN LINE**, at $3 for 13; $5 for 26; or $10 for 65 **EGGS**. My Minorcas are noted for size, type and color. Mention A. P. J. and get circular.

J. H. DOANE, Lock Box D, Couverneur, N. Y.

E. H. EPPERSON, Champaign, Illinois

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Exhibition Barred and White Ply. Rocks, and Mammoth Bronze Turkeys.

At Paxton, Ill., show, Nov. 29 to Dec. 2, '98 I won 6 regular and 5 special premiums; 1 special of a $25 Poland-China pig for best pen of Barred Rocks on Exhibition; 1 special for 10 highest scoring B. P. Rocks in show, 110 B. P. Rocks on exhibition. B. N. Pierce, judge.

EGGS, $2.50 PER 13; $5 PER 30.

No more stock for sale until Nov. 1, '99. Satisfaction guaranteed. Farm raised; free range. Reference, Champaign National Bank, by permission. Mention American Poultry Journal.

HECK HAS SOME

little White Rock winners that will be ready to face the Judge in September.

They Will Win for You

as well as for me, and you can have some at a fair price. They are the kind that have made Heck's strain famous.

FRANK HECK, Box 12, New Albany, Ind.

Sec'y-Treas. American W. P. Rock Club.

BUFF

Cochin Bantams.

That are winners. Bred in line from winners.

No Eggs. ***CLARENCE HENDERSON, Springfield, Ohio.***

I Breed

Barred Plymouth Rocks,

WINNERS AT WENONA—1 ckl.; 3, 4 pullet 1 breeding pen.

Pekin Ducks and Buff Cochins.

Stock and eggs in season. All inquiries promptly answered.

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GROVER & GROVER,

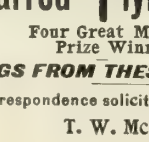
CONCORD, MICH.,

Breeders of

WHITE AND BUFF PLYMOUTH ROCKS, and Black Javas.

Won highest honors at the great Chicago show on White Rocks and Black Javas. Send for record. Eggs $2 per 13; ½ price after June 15.

$100 Cup for Best Leghorn Cock Hen, Cock'l and Pullet at New York.



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BROWN LEGHORNS, ROCKS; Buff and White.

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NEW YORK AND BOSTON WINNERS. Lawton's Station, N. Y., U. S. A.

Eggs for Hatching, $2 per 13.

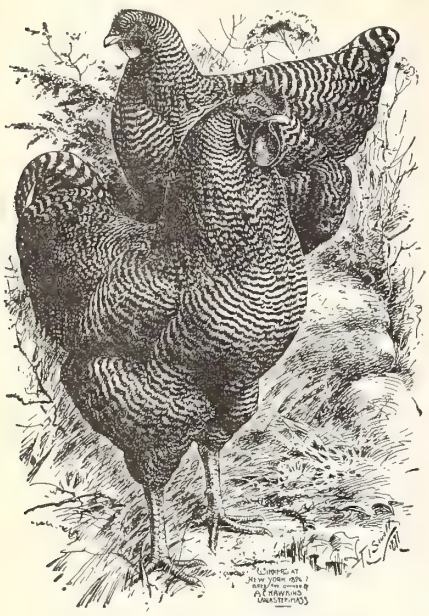
Barred Plymouth Rocks.

Four Great Matings, headed by Prize Winning Cockerels.

EGGS FROM THESE YARDS, $2 for 15.

Correspondence solicited.

T. W. McCLURE, Carey, Ohio.



Winners at New York, sketched from life.

HAWKINS'

ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER WHITE AND BUFF.

SHOW BIRDS
THAT CAN WIN IN ANY COMPETITION.

Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1899 have proved a grand success.

At the Great National Show, WASHINGTON, D.C., in **hot competition** with over **300 birds** of these varieties, the best that could be found regardless of price, I won **45 Regular and Special Prizes on 39 Entries,** including **First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockeral in the show** (Bantams excluded), and this on my **First Prize Barred P. Rock Cockerel.** My winning White Wyandotte cock was pronounced by the judges to be the **best they had ever seen.** I won twice as many first prizes as **all other exhibitors** of these varieties. My **BUFF ROCKS, at BOSTON,** 1899, in hot competition, won **more first and special prizes than all others.** My customers are winning all over the country. If you want the **BEST,** write me. Hundreds of **Choice Exhibition** and **Breeding Birds** at **honest prices.** Catalogue of America's finest **Plymouth Rocks** and **Wyandottes free.**

A. C. HAWKINS, Lock Box 25 Lancaster, Mass.

Houston's BUFF ROCKS.

The Kind Your Grandchildren Will Raise.

Elegant youngsters among the 400. You will need some of them this fall.

I. W. HOUSTON, Marshall, Mich.

Forest Hill Poultry Farm.

BUFF

Wilson's Buff Ply Rocks are world renowned winners. They are line bred, and show strength of blood in progeny. Customers are like successful in this country and England. If ambitious to lead, let me aid you also, with birds or eggs. **EGGS** $5 for 13; $8 for 26; $10 for 39.

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SMITH'S BUFF WYANDOTTES.

We have raised 300 chicks this spring, all sired by the first prize cocks and cockerels at Chicago and Detroit shows, '98 and '99, that will be ready for fall shipment. Now is the time to buy choice breeders. Send for circular. Smith strain is the best. Get the best. We keep them.

B. H. & M. H. SMITH, Coldwater, Mich.

PARAGON LANGSHANS.

A Few Choice Birds For Sale.

Eggs $5 for 15. Satisfaction Guaranteed.

HUNT BROS.,
Greenwood, Ill.

Don't Pay High Prices

TO YOUR DEALER.
You can buy the

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direct from us at wholesale prices. It's a first-class fence in every way. Write for circulars and prices.

ADVANCE FENCE CO. 108 Old St., Peoria, Ill.

The Daisy and Crown BONE CUTTERS.

-Best in the World.-

The $5.00

Hand Bone, Shell and Corn Mill.
THE GEM CLOVER CUTTER.
Send for circulars and testimonials.
WILSON BROS., Easton, Pa.

BUFF COCHINS For Sale at a Sacrifice.

Entire stock, consisting of 2d cock at Pittsburgh, '98; 1st ckl. at Columbus, '99, and 21 hens and pullets, scoring to 94½. Many are solid buff throughout. Will sell in block or singly at a bargain.

RALPH H. MATHEW, Box 126, Sabina, Ohio.

BUFF ROCKS and COCHINS.

Winners Wherever Shown.

Fine breeding and exhibition stock for sale. Owing to lack of room, have decided to close out my Buff Cochins. Prices reasonable and satisfaction guaranteed.

J. C. BROWN, LOCK BOX 17, CAMPBELLSBURG, IND.

• • • Phœnix Poultry Yard. • • •

Saturday, Feb. 4th, I had my entire stock of Lt. Brahmas, Blk. Langshans, S. L. Wyandottes Buff, Barred and White P. Rocks scored by Chas. McClave and as a result found 96 birds that run from 90 to 94. I have several that score 94½ by such judges as B. N. Pierce, F. J. Marshall and W. M. Clark. Examine my show record at Cincinnati and Portsmouth, O. Write me for prices on stock and eggs. Satisfaction guaranteed. Ten for a hatch or duplicate at half price. Chicks two weeks old 25 cts. each.

MRS. J. H. OREBAUGH, Box 7, Batavia, Ohio.

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121 Prize at three Chicago Shows, besides State Silver cup and grand specials

For the coming season I have mated 6 pens of Barred Plymouth Rocks, both Cockerel and pullet matings; each pen headed by a high scoring Cockerel. 3 pens White Plymouth Rocks. 2 pens Buff Plymouth Rocks, Silver Laced, Golden, Buff and White Wyandottes, Light and Dark Brahmas, Buff and Partridge Cochins, Black Langshans, Houdans, B. Minorcas, Black and White Polish, Buff and White Cochin Bantams, M. B. Turkeys, Toulouse Geese.

Satisfaction guaranteed. Write for Catalogue.

J. I. DeLANCEY, Elgin, Ill.

EGGS FROM WINNERS.

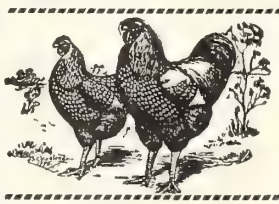
My Pens Contain ALL My Light Brahma Winners.

Not a female in these pens score less than 93½ by Pierce. Males include those upon which I won Grand Sweepstakes at Rockford.

Eggs from these pens $3 per 13; $5 per 26.

H. S. GODFREY, Rockford, Ill.

Catalogue containing 6 photos and other electrotypes free. A few superb cockerels left, most of them score 92 and better; splendid hackle and black wing and tail; $2 to $4. If you want one, write now.



Doolittle's Wyandottes

Golden, Buff and Partridge.

Winners at Chicago, Washington, D. C., Davenport, Iowa, The great Mid-continental, Kansas and Nebraska state shows. Stock and eggs for sale. Eggs $1 for 13. Send stamp for catalogue to

W. A. DOOLITTLE, Box 399, Sabetha, Kans.

Buff Leghorn Eggs

from pens headed by cockerel 92⅔ and females from 91¾ to 92¾ . . . . . .

SOLID BUFF, no white or black in plumage.

All Customers Satisfied and $2 for 15 Good Hatch Guaranteed.

WILLIAM RUDI, - - - - - Bourbon, Indiana,

American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

VOL. 30. CHICAGO, ILL., SEPTEMBER, 1899. NO. 9.

THE FANCIER IN THE POULTRY YARD

BY THOS. F. RIGG.

FANCIER IN THE POULTRY YARD.

It is absolutely necessary to success in the show room that the specimens molt properly. The fancier realizes this, and gives his fowls special care at this time. Fowls out upon the farm, where unlimited range is accorded them, will get along well at this trying time, and come through the molt without any special care. Nature provides the elements of food necessary to the growth of new feathers, and the replenishment of the system. Insects in abundance supply the necessary animal food, while the grasses and other vegetable growth furnish the remaining required elements which enter into the composition of feathers, blood and flesh.

Success in the show room depends, to no little extent, upon the care given the specimens during the molting season. It is a fact, thoroughly established, and recognized by every fancier and exhibiter, that specimens kept in close confinement will not carry to the show room complete feathering if unassisted and improperly cared for during the molting season. The true fancier and successful exhibiter is now giving his molting fowls a great deal of attention. Proper housing and yarding is as necessary to proper and healthy molt as are food rations. The stock intended for breeders next season should be kept free from all demands as to egg production; should be allowed the seclusion of shade supplied by trees and shrubbery; the roosting room should be cool and roomy, and the stock not crowded. The best possible care, otherwise, cannot overcome the harm which will result from overcrowding.

Many different rations are employed by various fanciers to assist molt. In a way—in the elements contained—these rations are, in fact, very much alike. That is, each is rich in elements necessary to the formation of feather and blood.

At the beginning of the molting season I make a mixture of food as follows:

Ground Oats.....10 pounds.
Corn Meal (coarse).. 5 pounds.
Wheat Bran..... 5 pounds.
Oil Cake Meal..... .. 2 pounds.

This is kept handily by. Each evening a quantity sufficient for the following morning feed is thoroughly cooked. Every other morning to the meal supply is added one (1) teaspoonful of sulphur to every one (1) quart of the mixed feed. Also is added (every other morning) fresh cut bone and lean beef—a good brand of blood meal would answer as well—in such quantity as to allow each fowl about two ounces of the meat and bone. The ration, without the meat and sulphur, is fed other mornings. Whole barley, wheat, millet and oat groats are given for evening feed, this being scattered in scratching pens, these being located in the shade supplied by large trees.

Now, as to results: The fowls have in these rations food elements which cause the task of manufacturing an entire coat of new feathers — the manufacture of blood and bone and flesh, as well—to be an easy one. They feather full and properly, and the new dress is a beautiful one. The feathering is "healthy"—that is, each feather drew from the supply all elements necessary to perfection in its creation.

It is not alone because fowls so fed during the molting season give us the finest exhibition birds, that such feeding is best. These fowls are superior as breeders. They are, when so cared for, and otherwise properly treated, in the very "pink of condition" when placed in the breeding pens. This means that they are in the best of health. Their blood is strong, and they are full of life and vigor. They begin to lay early, and their eggs are remarkably (comparatively) fertile.

AN EXPERIMENT.

Early last spring we determined to make an experiment, as to the comparative value of dry feed and soft feed, as to chicks. The idea was to try and arrive at some definite conclusion as to the difference in these rations as affecting the growth and general health of the chicks.

Two lots of chicks were selected at the time of hatching. These chicks were from the same parents, and were placed in quarters identical as to range, coops, shade, etc.

LOT NO. 1.—These were fed a soft food ration. Once a day they were given a feed of wheat, barley, oat groats and cracked corn. These feeds were always placed in the scratching pens.

LOT NO. 2.—These were fed absolutely no wet or moistened food—not a particle. The ground grain mixture (same as used for Lot No. 1) was cooked in the oven, making what is commonly known as "Johnny Cake." Mixed whole grain feed was given, as evening food.

Of course each lot of chicks was given the best of care in all ways, being properly housed and being supplied with grit and charcoal. Each lot had a blue grass and clover run, and were supplied with natural shade.

There was not a decidedly marked difference in results obtained. However, these facts were recorded:

Chicks in lot No. 1 feathered more rapidly than did those in lot No. 2.

A number in lot No. 1 were affected with bowel trouble. Not a single case of this kind was recorded in lot No. 2.

In lot No. 1 the feathering was uneven, and not uniform, either as to individual chick, or as to the lot. It was found necessary to clip the wings of a number of the chicks in lot No. 1.

This was not necessary in any case in lot No. 2. At the period when feathers, proper, were taking the place of down, the chicks in lot No. 1 were not as lively and strong as those in lot No. 2. The death rate was very low in each lot, being greater in lot No. 1.

To-day (August 5th) the chicks in lot No. 2 are the better feathered, and, upon the whole, the stronger and better chicks.

One such experiment as this is not, in its findings, absolutely conclusive. The fact that these chicks were of the same parentage, and that, aside from the feed, were treated exactly alike, is, to a great extent, positive evidence that the fancier who advocates dry feeding is right.

FOWLS GOING LIGHT.

A correspondent asks advice as to what he shall do to restore a number of hens, which, he says, are "going light." These fowls are constantly getting poorer in flesh, and seem to be "gradually wasting away."

Aged fowls which have been closely confined and improperly fed are very liable to go light at this time of the year. Constant and excessive feeding of corn, lack of green food and exercise are the predisposing causes of this ailment. The fowl's system is all wrong, and vitality is at a low ebb. Unless a bird so affected is a valuable one, it is best not to again place it in a breeding pen. Personally I would not want to breed from such

a specimen. However, such a bird can be brought around to an apparent sound condition.

We advise our correspondent to remove the affected birds to entirely different quarters from which they have been occupying. A complete change is necessary. Let them, if possible, have access to a grass run. Feed very sparingly, of corn or corn meal. Supply the birds with an iron tonic in their drinking water. See to it that they are given a meat feed—very little—once a day. Be sure they are free from lice. The change, with this simple treatment, will usually effect recovery.

This series of papers on the prevention of disease, the care of fowls, the preservation of health in the flock, and the general conservation of energy in breeding poultry, is written expressly for AMERICAN POULTRY JOURNAL by DR. N. W. SANBORN, Wellesley Hills, Mass.

LICE AND RED MITES.

Success or failure with hens depends, more than we are inclined to think, upon our care in looking out for the little obstacles that are truly "pitfalls" in poultry culture. The everyday farmer as well as the ordinary townsman seldom takes into account the part that lice and "red mites" play in their poultry yard. To be sure they notice that some of the setting hens persist in being restless, and even show a desire to roost on the edge of the egg box but that lice is the cause of the trouble seldom enters their minds. The failure to get eggs in summer may be due to too large an army of insects to feed. It is asking too much of any hen to lay eggs and fight lice at the same time, when a little dusting with insect powder would make life of the hen less a warfare.

There is no time of the year when the thought of lice and red mites should be allowed to pass out of the mind of anyone who would succeed with poultry. From my experience in giving advice to poultrymen I find that behind many failures and much disease is found lice. It seems too bad to do the other things and neglect to consider lice as of importance.

The home and breeding ground of lice is the hen. The red mite lives and breeds in cracks of houses or in dirty straw or filth, crawling on the hen only when hungry. Lice are to be looked for on the bird, red mites on walls or under roosts.

There are three insects that every poultryman should be on the watch for. The common louse, found on all parts of the hen, but especially near the vent. The head louse, most commonly found on the head of young chicks. The red spider or "red mite" found on the birds at night, but resting in cracks or under the roost during the day.

So far as possible keep lice out of your flocks. You can do this to your satisfaction by taking pains to dust every bird, old or young, brought from the outside. Clean up all houses, getting rid of all litter, using plenty of hot whitewash, washing it freely into all cracks, and using kerosene abundantly all over the roosts and their supports. Take the birds some evening, and, one by one, dust with some good insect powder. A week later repeat the dusting, as there are probably a new lot of lice hatched since the first dusting. Depend upon insect powder to kill lice and upon kerosene to destroy red mites.

When you set a hen, dust hen and nest with insect powder, and repeat the process about the twelfth and eighteenth days. This insures chicks free from lice. Keep a good eye on the growing chicks for signs of lice, remembering that more chicks die directly or indirectly from lice than from all other causes. To be on the safe side and avoid trouble, dust the chicks every month. This takes little time, especially if you are using brooders. Lice and "red mites" multiply rapidly in warm weather. This is one reason why March and early April hatched chicks have a lower death rate than the later broods. Chicks can be raised during the summer, just as surely as in spring, if they are given a fair chance.

During the first six weeks of chickenhood a source of danger is the large head louse. The insect may be found on the chick's head sucking blood from the skin. Just a few of these head lice will make life of the chick miserable and even kill the bird. Perhaps the first indication you see, will be a chick standing up trying to see, apparently, how high he can hold his head and often in his efforts falling over on his back. This always should cause you to look for head lice. Finding them, take a needle and pick each one off, finally anointing each chick's head with kerosene lard.

A breeding place for lice, too often, is found in the fixed nest. A nest ought to be easily moved, have few hiding places for lice and be kept well dusted with powder. The hay, or other contents, should be changed every few weeks in warm weather.

It is a failing of many cocks to neglect to use the dust-bath. This allows the lice to increase and the bird becomes a source of danger to all the hens. Watch all male birds for lice and dust often. A lousy male will surely diminish the fertility of the eggs from the pen.

In case of sickness, or almost any trouble to your flock, always rule out lice before thinking of any other cause.

Because you have got rid of all insects do not relax your vigilance! When you least expect they will appear. Even incubator hatched, brooder raised chicks, have become infested with lice while out in the field in roosting coops, probably from English sparrows.

The successful poultryman surely fights lice; if he did not he would not achieve the results he does. It is only by "keeping everlastingly at it" that real solid success is won, and this is no more true any where than in the poultry plant.

BUMBLE FOOT.

This is an irritated condition of the bottom of the foot and may be so intense as to cause the formation of pus.

This condition is often caused by birds jumping from a high roost to a hard floor, though I have seen cases of bumble-foot in birds that never were allowed to roost. I have at times supposed individual cases to be due to splinters and thorns, though I must confess that I never found under the skin any foreign substance except glass.

As you might expect, the early symptoms are slight and probably unnoticed. The bird steps carefully and slowly, and limps a little as the weight comes on the tender part. There is a slight inflammation of the tissue just under the outer tough skin. As time goes on this inflamed tissue breaks down and matter forms. Pressure is increased and the pain is severe. If allowed to pursue its own course, the trouble extends up the leg and perhaps around it. In other cases the matter grows less, becomes hard and forms a chronic bumble-foot.

If seen early, apply tincture of iodine to the thickened skin.

Generally matter will be found when you make your first examination. With a clean slender knife open the collection of pus, squeeze out gently all that will flow, wash the wound with carbolized water and then apply nitrate of silver ten grains, water one ounce.

Keep the bird in a large cage, or box, on clean straw for three days and then return to flock.

SCABBY LEGS.

This is a condition of the legs caused by the growth and irritation of an insect, that is sometimes found living between the scales of the shanks. You may find just a slight roughness with a few insects, or the shanks may be twice the ordinary size and of a disgusting appearance. The rough spots consist of scales, dirt and a few insects. If you scrape off a little of this collection and put it under a magnifying glass, you can easily recognize the insect that causes the trouble. A little pains taken will cure this disease.

An ointment of sulphur one ounce, vaseline ten tablespoonfuls well rubbed into the rough places, twice a week, for two weeks, will make life miserable for the parasite and heal the irritated parts.

Set no hen with scaly legs unless you desire unsightly shanks in the chicks. A single hen with scaly legs is liable to pass the disease to the other birds in the yard. The legs of the infected bird getting against those of other birds on the roost may cause the spread of the trouble. If you wish to be sure of no future cases, apply the ointment to all birds.

Do not have even one case of scaly legs on your plant. It is an indication of a hap-hazard poultryman.

In addition to the announcement in another part of the Journal from Theo. F. Jager, Sec'y of the Water Fowl Club of America, we wish to call the attention of the breeders of Illinois and other adjoining and western states that ten members of this club in any state have a right to a meeting and the opportunity of securing special premiums offered by the club. This should induce new membership for the club and help to get out a good lot of exhibits of these varieties and in this way secure the advantage of the premiums.

H. D. Page of Ira, N. Y., in his ad in this issue, makes a special price on his White and Black Minorcas to introduce his stock. All $5 orders will receive a sitting of his best eggs free.

Sept. in the Poultry Yard.

1. September days are cool and should warn the poultry keeper that winter is coming on and cause him to prepare for it.

2. I believe hens refuse to lay a good many times because they do not have properly prepared nests. You may think a hen cannot help laying when the egg is properly matured, but if you do, just catch a flock of laying hens and shut them up somewhere where there are no nests and notice how they refuse to lay.

3. September is not too late to hatch chicks. The late hatched chick has several advantages over the one hatched in the spring.

4. Dust is as necessary to fowls as water is to human beings. The dust bath is of more importance than most poultry keepers realize. Every poultry house should be so arranged that the fowls can take a dust bath regularly.

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1. The first prepartion for making the poultry comfortable during the winter is to provide a comfortable house for them to live in. This need not be a costly abode to be warm and dry. I thought I would have my new house finished in time to have it illustrated this month, but the contractors have been slow in putting on the finishing touches.

It is eighty feet long and ten feet wide and is divided by tight partitions into eight rooms, with a window four feet square in each room. The sides and roof sheeting are pine flooring laid on with the smooth side in. Outside there is first a coat of Neponset insulating paper and on this a coat of Neponset "Red Rope Roofing," and this will be covered with two coats of paint. In every partition is a door on spring hinges. The idea in putting in tight partition is to enable me to double the fowls up if the weather gets extremely severe. I am confident I can keep my Leghorns in this house free from frost, no matter how cold the weather may be. Last winter was pretty cold and I kept them safely in a house built of unmatched lumber, lined on the inside with several thicknesses of old newspapers tacked on. I kept tacking papers on thickness after thickness until I had about thirty thicknesses of paper on the inside. I would take an old newspaper, say a daily of sixteen pages, and tack it up folded so it would be thirty-two pages thick. I lapped the folds liberally and mismatched the joints as much as possible and I would not want a warmer house. The big south window had muslin over it and kept the room warm as well as if it had been solid 000,000 for the first 11 months of 1898. It is said by American consuls at Russian ports that the poultry business has been taken up by the large majority of Russboards. A shed protected by straw or cornstalks does perfectly well. The only requirement is tightness to prevent circulation of drafts and plenty of light during the day.

2. Hens like a dark place to lay in. The nests should be so arranged that they can go into them where semi-darkness prevails. The nests should be from fourteen to eighteen inches square and the best nest material is cut straw. Give hens a nest of this kind and they will not only lay as well as the breed they belong to ever does, but they will never contract the vice of egg-eating, the worst of bad habits and the hardest to cure.

3. I am going to start my incubators September 1, or near that time. I have always succeeded with late hatched chicks when I gave them a warm place in which to sleep during the winter and kept them separate from larger fowls. If hens are to be set take great care in fixing their nests. The way I make a nest for a sitting hen is to take a packing box, selecting one that has been used for canned goods such as tomatoes or peaches or any fruit put up in two-pound cans. One side of such a box is taken off except a strip two inches wide at the bottom. The top is then nailed on and it is ready for the nest. Soft garden soil is put in the bottom of the box and hollowed out to fit the hen when she is sitting. Most people make the hollow too shallow. I make it like a bowl nearly. On this I put an inch of finely cut straw and it is ready for use. Two or three dummy eggs are put in and the hen is put on in the evening and the open side turned to the wall. The hen is not disturbed the next day but is left until the second day and is then taken off to feed and nine times in ten she will sit without trouble. Then the eggs to be hatched are put under her and the box is again turned with the opening to the wall. Every day at noon the hen is taken off and fed and returned, each time fastening her on by turning the opening to the wall. I try to set a number of hens at one time and when the chicks hatch they are put into flocks of a dozen for each hen or in the case of late hatches are taken away from the hens and put into the brooder. This way of managing sitting hens is less trouble than any other I ever tried. They are always shut on the nest except when taken off to feed and while they are eating the nests are turned so they cannot get on. If by accident a hen does get off her nest and cannot get back for half a day do not despair. I had a hen shut off all night this summer and she hatched eleven chicks from fifteen eggs, and one that got out of the house and staid out all day was returned and later hatched every egg under her but one. In a warm place it takes a long time to kill a chick in an egg.

4. If plenty of dust is furnished the fowls during winter they will rarely be bothered very much with vermin of any kind. The very best dust is road dust and this may usually be secured with but little labor in the fall. It takes about five minutes to scrape up two or three barrels and if put in a dry place this will be enough for 100 hens all winter. Give them a wide, shallow box for a dusting place and set it before a window where the sun will shine into it every day. The hens will use it daily and enjoy it hugely. If road dust cannot be got, dry soil from the garden or sifted coal ashes may be used. Never give hens wood ashes to dust in as the alkali in these ashes will bleach the shanks of the yellow legged varieties. Do not put these things off until too late. The secret of success in poultry raising is to do things just before they need doing. This gives an opportunity to overcome delays that may come and prevents the worry of trying to catch up. It is easier to keep up than to catch up any time.

MILLER PURVIS.

Lake Forest, Ill.

THE AMERICAN PLYMOUTH ROCK CLUB.

Editor American Poultry Journal—

With this I send an electro of the club emblem, hoping it will find space with this article in the first issue of your journal.

I have had dozens of letters lately from breeders inquiring "What are the objects and benefits of the club." I would answer these questions as follows—but first let me add that what I say not only relates to this club but to the other specialty clubs as well: So fellow breeders, it matters not what variety you may breed or fancy, there is a specialty club represnting it that is working for its advancement and is worthy of your support. Join it. Send in your application today. Remember that in unity there is strength, the wide world over.

The objects of this club shall be the fostering and improvement of the Plymouth Rock fowl, and the protection and advantage of the membership. To circulate among the people a thorough knowledge of the merits of these fowls, and the profit and pleasure derived from intelligent and systematic breeding. To urge the adoption of the true shape, color and required barring by breeders and judges alike. To offer at the leading state shows, club prizes that not only

attract general interest but encourage fanciers to renewed efforts to produce extra fine and nearer perfect specimens of standard pure bred poultry. Let our club emblem come into general use by all reliable breeders and fanciers joining the club and using the emblem on their stationery and with their advertisements. It is a guarantee of reliability, of honesty and integrity. These are the objects. You can see the benefits, and the reputation we seek.

Now let all fanciers give these matters their attention. They should recognize the fact that the general success must help their individual prosperity. As the show season approaches it is time to act. I want to hear from all lovers of Barred Rocks. Consider this a personal invitation and write me today for circular, etc.

I note with much pleasure that the poultry press is taking sides with the specialty clubs and urging their readers to enlist. Mr. Editor, we are obliged for this, also for the promptness and space our articles have received in the past. Again thanks and success to you, I am, fraternally yours.

H. P. SCHWAB,
Secretary and Treasurer.

Rochester, N. Y., Aug. 10, 1899.

Washington, N. J., June 22, 1899.

Editor American Poultry Journal—

DEAR SIR: — The American Poultry Journal has done me a great deal of good and has brought me many orders for eggs and stock. I like the paper very much and will continue advertising.

Yours truly,
C. E. VASS.

POULTRY ADVERTISING

BY FRANK B. WHITE.

A paper read by Frank B. White before the National Fanciers' Association of Chicago, at the Sherman House, August 2, 1899.

Mr. President and Members of the National Fanciers' Association:

In attempting to prepare a paper on so broad a subject as my text implies, in a clear and comprehensive light, in the brief time allotted me, I find myself very much like I imagine one of you fanciers would be were you to stand before a pen of a dozen choice birds of your fancied breed that all scored alike, say, ninety-five points, yet differing in essential and important characteristics, each good, but on the whole no one better than the other.

There are several approaches to a subject of this kind, each one important, but not any one that can be eliminated entirely without affecting the whole. To choose from a fund of knowledge and experience on a particular subject for presentation is, therefore, not an easy thing to do and like the fancier who stands before the beautiful fowls, not willing to part with any one of them, but with an eager desire for them all, so I find myself desirous of giving you very much more than I know would be well for one meal and more than I could serve out to you in so short a time. I have, in the preparation of this paper, therefore, endeavored to place myself in the shoes of the poultryman and speak from a limited knowledge of the advertising question.

When your secretary asked me what I wanted to talk about, my reply was, without meditation, "Poultry Advertising." It is a question that I am very much interested in. It is a question that you, gentlemen, ought to be greatly concerned about. I am interested in the poultry question not simply from a fancier's point of view, but from the broader (and I believe more practical and substantial point of view)—the commercial side of the question.

The question of food and food supply is occupying the minds of thinking people throughout the whole wide world; so while I am interested in feathers I am also interested in meat, and I believe there is no better meat for human food than poultry.

The question that confronts you is, "How can I make my poultry yard pay, yield a profit, bring returns sufficient to warrant the expenditure in time and money?" I never knew of a successful merchant who filled his shelves with choice goods and then locked the door of his store and pulled down the blinds so that the passersby could not see what was within. I cannot conceive of a poultryman making his business profitable without advertising. He must advertise in some form or other. He may have the choicest birds in the whole country; what good are they beyond gratifying a selfish fancy if there is no demand for them? It therefore resolves itself to a creation of a demand as the one essential factor in the proper conduct of a poultry business, equal to a knowledge of breeding, mating, feeding and in every way caring for the fowls.

A good name in advertising is the best stock in trade that can be inventoried. It will not burn up. If you invest $100 in advertising judiciously, you may consider that you have added to your stock in trade a value which—though you cannot weigh it on your scales—is just as important as though you were to invest in stock, supplies or anything else that may be a necessity in your business. There are many institutions today, the good will of which is worth more than all material, fixtures and, in fact, all else that pertains to the business. A concern in the East with a capital of something like $500,000 in tangible assets is reputed worth at least a million and a half dollars. It is said that if this institution were to be burned out, slick and clean, so that not a scrap of paper was to be left to indicate that it ever had a former existence, the mere name would be worth a million dollars. Why? Because of the clientage, the reputation, the good name that it has built up during the last twenty-five years or more.

H. S. Burdick, Rome, N. Y., trying to pose his Buff Rock "Roman Emperor" for a Snap Shot Photo.

I am not one to maintain that newspaper advertising is the only kind of advertising worthy of consideration. I do say positively and emphatically that I believe it to be by far the best, the most economical and the most lasting in results. The successful man succeeds because he has succeeded first in advertising himself thoroughly. He may not have done this in the newspapers, but most likely his advertising has come through the newspapers. You can, without much trouble, call to mind a breeder of your particular fancy who stands out head and shoulders above his competitors. Why? Simply because you know him better. He has been advertised to you either through the press or by his friends or business contact. In some way the fact has been made known to you, which is nothing more or less than advertising. You probably at the same time can recall another in your line of business, well advertised, but in whom you have no confidence. That is the bad kind of advertising; the serpent-like style that deceives and destroys rather than builds up.

As to the efficacy and power of advertising I need say nothing more; it is self-evident.

In my experience in the advertising business I have been privileged to start a goodly number along advertising lines. I confess that I have never yet attempted to launch a customer on the advertising sea without more or less doubt. My confidence has increased year by year as I see the good results coming from careful work on the part of the advertiser. I deal in advertising just as your grocer deals in sugar, tea, etc., or as your dry goods merchant sells cotton, calico or any other staple. To me it has a fixed and established value just as real as if I could feel it between my fingers, because I am able to see (in a measure) the end from the beginning. The poultryman who has never had such an experience, naturally questions the advisability of putting money into something that he cannot see has any particular value to it. He therefore needs the assurance of its worth, and encouragement from those who have succeeded. I can take you to poultrymen who expend three, four and five thousand dollars a year in advertising who will tell you that it has paid. One customer for whom we have expended this last year in the neighborhood of two thousand dollars, reports a business of fifteen thousand dollars—perhaps the largest of any single poultry advertiser in the country. It is worth your while to investigate these facts.

To advertise successfully there are several things that should be taken into consideration, and the more essential are these: The careful preparation of advertisements, attractive, argumentive, forceful, truthful, and do not try to advertise others—advertise yourself, placing these advertisements in papers of worth—papers that go into the homes of the buying class—those most likely to be interested in what you have to say. There is the shotgun sort of advertising and there is the rifle-ball style. I recditions as to when and where either or both should be used.

Your advertising in the newspaper ommend both, but it depends upon conwill not be complete unless you follow

HOW HE SUCCEEDED.

Buff Rock Cock "Roman Emperor," owned and bred by H. S. Burdick, Rome, N. Y.

it up with attractive and well prepared auxiliary advertising, literature—neat circular, booklet or catalogue, and good stationery. When you receive an inquiry in response to your advertisement it should become your positive duty to treat that inquiry just as you would a new friend. It may have cost you to receive that inquiry fifty cents or a dollar; it is worth your while to put as much more, if need be, with it to make the sale. I would treat that individual inquiry just as if there were no others and as though the success of my business depended upon making a sale to that particular individual. A careful following up of that new acquaintance may lead to a business friendship, profitable not only with him but with his friends and his friends' friends. Thus you see the cumulative or continued effect of good advertising. If you were to call at my office and state that you wanted to do some advertising, and I were to hand you out a cold, illy gotten up circular and tell you to read it, and pay no further attention to you, you would think me a poor business man and your conclusion would be just, but no more so would I be than would you if you were to receive an inquiry and not give the careful attention to it that it deserves. I know that some of the large poultry breeders expend considerable money in newspaper advertising. Some of it pays; some of it does not pay. The mystery to me has been that it pays at all when I have investigated the methods employed in the handling of it.

Advertising is not a mystical, mysterious proposition. The ordinary laws of cause and effect apply in advertising just as they do in mechanics or to the sciences. Some of the best advertising that I know of is by keeping in close touch with old friends. When you have once sold a man be so concerned in his success that he will feel that you are personally interested in his welfare and you will make him a walking advertisement for you and when he is ready for more he will remember how well you have treated him and will come back to you rather than to send his order to an untried breeder. He will talk for you at the poultry shows and with his neighbors. The newspaper, therefore, becomes only a means to an end; a meditation, however, that is of vital importance as much depends upon the first meeting as to whether you do business or not; the newspaper can introduce you politely and rightly to the class you most desire to reach, or it may indifferently and disinterestedly present your business to a disinterested class,—the curiosity class,—the unsubstantial class. Continue to use your good papers. They are making friends and business for you.

I have said that the successful man is the one who becomes so through advertising and I know of no conditions where this truth applies with greater force than it does with the poultryman. You have to depend so much upon the honesty of the individual. The judges will score the bird and the score card may be all right, but unless you all have a great deal more confidence in judges than I do I would not pin my faith too much upon what the judges' score card says. There are exceptions, of course, to this rule but I am speaking now along general lines. We have some good poultry judges; some mighty poor ones. It will always be so until there is some system of advertising the good into prominence and advertising the poor out of their job. So you see advertising is double barreled; it can make a man or it can break him. And that leads me right back to the question of the honesty of the individual.

I believe that the man who is willing to go a good long way to rectify a mistake and satisfy a customer, is the man who will make his advertisement pay best. One who is in it to get every dollar he can, irrespective of results, is the fellow who is advertising himself out of business. And this Association, in my judgment, can do nothing better than to uphold and encourage the good, the true, the honorable, and denounce the rascal and the fakir.

There is another phase of this question that has occurred to me several times and I am particularly reminded of it at this time because of the good work this Association has done in establishing a permanent exhibit at Lincoln Park. I believe that the poultry press is accomplishing great good. I believe that something ought to be done to educate our people to eating poultry rather than the coarser meats, and the magazine, the farm and home paper, the family journal, should be used with that end in view. When we have good prices we usually have good times; when a good line of advertising is being done a good business follows.

This Association could not expend a large amount of money in advertising because it has nothing to sell. Its membership would be benefited but there would be no source of revenue to the Association to meet the advertising bills. I believe that it could inaugurate without cost a system of editorials that would be far reaching in effect and produce great results not only to our own membership but to the poultry fraternity on the whole, and after all it is the broad field that we are concerned about in this poultry business. This Association is a factor in assisting to better the general conditions as well as that of the individual. Personally, I am interested in seeing not only good poultry in Illinois, but in California and Massachusetts as well.

I wish that there might be some method of handling the poultry product commercially in a way that would lift it above commonality and place it where I believe it belongs, as one of the best and most substantial products of the land. When we consider that three hundred million dollars is Uncle Sam's part of the poultry business, it is not difficult to understand why so many of our best business men are giving heed to the question. The dairy product of the country is getting the advantage of us in that it is puting up its product for domestic use—its butter and milk, in finer shape than it did in former years and more pleasing to the good housewife. Some of our standard creameries are putting up butter in delicate packages and commanding from three to twenty-five cents more a pound than butter of equally as good quality of other institutions. It is simply because they expend a little in advertising and a nice label and neat package. I believe that thousands of people in the city of Chicago would be willing to pay five, ten or twenty cents more a dozen for eggs if they could be assured that they came direct from the poultry yards and were guaranteed by a reliable poultryman to be fresh. To do this there could be a package containing, say, one, two, three or five dozen, each gotten up neatly and attractively, with the guarantee printed on it, to the effect that every egg was fresh and in case one discovered that one was not, within a given time, a dozen should be given for every one thus found. Do you think for a moment that our best families would not willingly pay the extra price rather than to take their chances with the riff-raff that comes through the corner grocery, disinterested method of handling them? A stale egg is an abomination.

A dressed fowl, should be, in my judgment, packed in a neat box, wrapped in paraffin paper, neatly labeled, and not hung up, exposed and thrown about as if it were of no consequence. And it it were so packed and the name of the poultryman printed neatly on the package, don't you think that our good wives

"MILKING TIME."

Illustration furnished by Hartman Mfg. Co., Fence Manufacturers, Elwood City, Pa.

would be eager to have them in preference to those that are taken out of the barrel, dirty, skinny, filthy, even though the price might be one-half? Every one that you thus sold would become an advertisement for you and there would soon be an inquiry. An enterprising farmer in central New York conceived this idea some time ago and has no trouble in getting five cents a dozen more in the Syracuse market for his eggs from a merchant. If I were out of business and wanted something to do that would pay me big, I would arrange with a dozen good poultry breeders to supply me with eggs at a given price and I would have my regular customers and make five to twenty cents a dozen on them year in and year out. But I would put a little work on it; a little advertising in it; and I would do it in first-class shape—do it well and command good pay for my labor; cheap things are not wanted; it is quality that counts.

I stated that I handled advertising the same as the merchant did his wares. I should qualify this by stating that I buy and sell space that way. The knowledge necessary to construct a good advertisement, to prepare a good circular or other advertising literature cannot be bought over the counter. Advertising men are just as truly born as are poets and of the great army of so-called "Advertising Men" that the country possesses today, but few have attained the successful degree. And I might say in this connection that this accounts for so many advertisers making a failure. They have been poorly advised, started wrong or they try to copy somebody else instead of talking their own business. You may be the brightest man on earth and know all about the science of breeding, etc., but if you are not satisfied of your own ability to prepare and execute a line of advertising, you had better call on some one who does. Consult the publisher of your poultry paper and let him tell you how best to reach your clients, or confer with some one who has made a success, either for themselves or some one else; but do not think that the same rules that he has employed will apply to your case. You must work out your own advertising salvation and this requires back-bone, good and stiff. It is a daring proposition but "nothing ventured, nothing gained" and there is no need of your standing idly by and seeing the other fellow get all of the business and wonder why your advertising does not pay you when you are doing it haphazardly, half-heartedly or incompletely. My advice to anyone contemplating advertising is that they read carefully and persistently the suggestions on advertising subjects contained in our advertising journals; a number of good ones are now issued. Be sure you are right, then go ahead.

There is expended upwards of one hundred thousand dollars a year in poultry, poultry supplies, incubator and brooder lines of advertising through agencies alone. These institutions have all become prosperous through advertising. The foundation and ground work of their business is advertising. Is not that testimony enough for you of its worth?

You do not have to do a large amount of it if you have a few birds but if you have some choice ones you can afford to do a little. Of course stock is necessary. I have presumed that you knew that. Unless you have something worthy of advertising it would not pay you. A poor thing will never pay as an advertising proposition. It may for a moment, but the buying public soon takes its measure. But an article of worth not only pays, but creates and establishes your reputation in your particular line of trade and carries your good name beyond into wider circles, yielding profits in years to come.

The man who has a fine bred fowl
Is not ashamed to show it,
And if he is the proper kind
He'll let the people know it.
But though he advertise his birds
With all his strength and might
He's losing money—wasting words,
Unless he does it right.

THE WATERFOWL CLUB OF AMERICA.

All members and breeders of waterfowl, who are desirous of becoming members, are hereby requested to assemble at Syracuse, N. Y., during New York state fair week, Thursday, Sept. 10, 1899, at 7 p. m., for the purpose of holding a special meeting.

Object is: First, to ballot for the admission of parties who have made their application as requested by the by-laws and who have proven themselves as worthy breeders and a credit to the club; second, to propose new members; third, to determine the size and contents of the catalogue to be issued for the year of 1900, it being the desire of the club to have it in the form of a compendium and a useful guide in all matters pertaining to the breeding, exhibition and improvement of waterfowl.

Different chapters for different breeds will be given, and the most advanced breeder of any breed will be asked to contribute and impart knowledge often vainly sought by a less conspicuous, but just as earnest a fellow man.

A complete waterfowl directory, it is desired by many, would prove of untold value and benefit to breeders and information seekers alike.

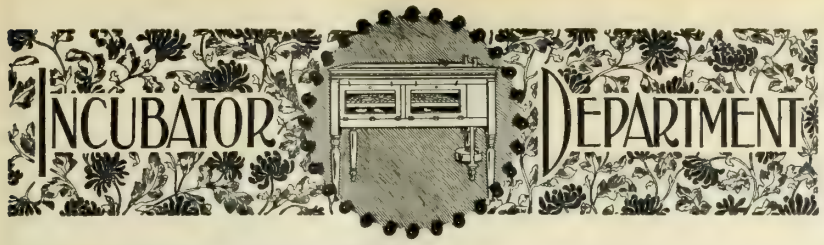
If you, whose eyes rest on this notice, believe in the unfathomed depth of waterfowl features, are *not* a member and unknown to our enrolling list, we request you respectfully but earnestly, to send us your address on a postal, that a blank application and other vital information may be furnished you by our secretary.

You cannot afford to go on breeding single-handed, if the "union strength" and good "breeders' fellowship" of the only waterfowl club of America is at your disposal. One dollar will show your good faith and see your name presented for admission; this sum includes dues till July 1, 1900.

By order of the president:

THEO. F. JAGER, Secretary.

Lebanon, Pa., Aug. 10, 1899.



Advice to Beginners.

JAMES RANKIN gives in this article the clearest and most concise directions regarding the management of an incubator. Mr. Rankin has made a success in duck culture, and in the use of incubators is an acknowledged expert. The incubator season is at hand and these valuable and timely instructions will do much to set the poultryman right in his use of an incubator.

The first thing for the amateur to think of after he is well located, is the selection of a good incubator. The next thing after securing an incubator is to locate it properly. To one contemplating business on a large scale and using a number of machines it would be well to erect a building for the purpose. This is a simple process and not expensive. Excavate a piece of ground the size of the building, to the depth of two and a half feet. Build the foundation wall five feet nigh using the excavated dirt to bank up with on the outside. Build up two feet above this wall giving room for three or four windows on the north side, one light high, and one or two on the south side. Floor immediately above the windows. Run the building up three or four feet higher, before roofing it, for storage room for grain and supplies of all kinds. Cement the ground floor and you will have a building of uniform temperature that will be but little affected by thermal changes and a first-class place to run incubators. Most manufacturers claim that their machines will regulate under any conditions but there is no machine built but that will run easier and do better work when located in an even temperature.

A machine can be gauged to run in any temperature at will, yet a constant change of from seventy to eighty degrees during the day to forty degrees at night, would necessitate regulating the machine to meet it, for the amount of heat required during the night would be more than twice what would be required during the day, and though some machines meet this by admitting large quantities of fresh, dry air, yet this is very injurious, because it completely destroys the humidity of atmosphere in the egg chamber, hardens the egg shells, toughens the inside lining or membrane to such an extent that a large proportion of the chickens are unable to get out. Avoid open buildings where the sun shines in during the day, and which are exceedingly cold at night. We start our machines and have them running steadily before introducing the eggs. We do not like to fill our machines with eggs unless we know something about their fertility. To those who have to purchase their eggs it is well to secure a few samples from different parties and test their fertility, but it is much better for one to grow his own eggs as he is then in a condition to not only control their fertility, but to grow them much cheaper than he can buy them. Having filled our machines, we place the thermometers *on* the eggs in the center of egg trays and run them at 102 degrees the first two weeks and 103 the last week. It is well to place the thermometer on a fertile egg after the animal heat rises, as during the latter part of the hatch a live egg will always run two or three degrees higher than a dead one on the same level by its side. While an expert may test his eggs in five or six days, an amateur should not undertake it before the seventh or eighth day. It will take him too long if done earlier and also be done more imperfectly. Eggs should be first turned on the second day of incubation and twice every day after, until the eggs begin to pip, which should be the latter part of the nineteenth day. The chicks should be coming out lively the twentieth day and the hatch all cleaned up the twenty-first day. Some people prefer to use no moisture in their machines, thinking they hatch just as well. There may be but very little difference in the hatching. We are satisfied that the chicks come out stronger when moisture is used the last days of the hatch. There will be less mortality in growing them. No regular rules can be laid down as to when to introduce moisture or how much to use as that will depend entirely as to where the machine is located, whether in a house, cellar or in the kitchen above, in a humid atmosphere near the seashore or in a rarified one at an altitude in the country. As a rule, eggs will evaporate faster in an incubator without moisture than under a hen but that can be easily controlled by increasing the ventilation. Eggs should be cooled off a little once each day especially after the first week. The exact time to cool them will depend upon the temperature outside, as eggs will cool much faster in a cold atmosphere than in a warm one. In short, in this business there is room for every one to use his own judgment as no fixed rules can be given to two persons, differently situated, with different eggs, possibly different machines and different locations. The same instructions would not apply to all. The eggs should be turned twice each day wherever located. A little intelligent care is all that is needed. The incubator must run three weeks, the regular amount of oil supplied and while a perfect uniformity of heat should be maintained in the egg chamber the machine should be allowed as little latitude as possible, from 101 to 103, 102 being the objective point. When the eggs begin to pip, cease turning them. As the egg shells accumulate we remove them from time to time so they will not get pushed over the pipped eggs. A little air introduced into the egg chamber at this time will do no harm provided the heat is not allowed to run down. In our machines we drop the chicks down below as they get dried off, as the heat necessary to hatch out the remaining eggs is too much for the chicks first out, and will sometimes seriously injure them.

JAMES RANKIN.

So. Easton, Mass.

THE PRAIRIE HEN.

Among our native wild birds there are a few that seem worthy of domestication, as they possess economic qualities that are of value. Among these there is none that seems more worthy of a systematic attempt at domestication than the pinnated grouse or prairie hen. Its general color is yellowish red, with black markings. It has a short and rounded tail. The male has two remarkable characteristics—the neck tufts, composed of long, narrow feathers, sometimes measuring five inches in length, and the pouches of wrinkled skin along the neck of two-thirds of its full extent, which are capable of inflation, and, when filled with air, resemble quite closely medium sized oranges. This resemblance to oranges extends not only to size, but to the color and peculiar surface of the fruit. In the winter the birds congregate in large flocks; in summer these flocks break up into smaller bodies, dispersed, probably, for the better performance of the operations of hatching and rearing the young. As the breeding season approaches the males strut about like turkey cocks, dropping their wings to the ground, erecting the feathers on their neck and inflating their orange-like pouches. At this season many meet in certain places in the western part of our country, about daybreak usually, and engage in their displays to attract the females, ending in severe battles. When the sun is up the conquerors and conquered retire from the field. The pinnated grouse was once common in New Jersey and Pennsylvania, as well as on the prairies of the west, but like the Indian, it has disappeared before the advancing wave of civilization. Its food is not dissimilar to that of domesticated poultry, or what our domesticated poultry would obtain if compelled to shift for themselves. It feeds upon seeds, berries, buds of trees and bushes, insects and the like. The flesh of this bird is good and in the parts of the country where it is rare is highly prized.

Could it be domesticated—and it is by no means impossible that it could—there would be added to the feathered stock about the farm yard a fowl with excellent flesh, a new figure to please the eye, and probably a fairly good layer. It now lays quite as well as the original bird from which the domesticated fowls are supposed to be descended, and, under domestication, its laying powers might be equally increased. In its wild state it shows more or less variation, and as variation is increased under domestication, if it were domesticated its size might be enlarged, its color and markings more or less changed, its figure modified and its prolificacy augmented. In this way its economic properties might be greatly improved, and it might be found to be fully as useful and profitable as the fowls that now supply our table with delicate flesh and eggs.—*H. S. Babcock, in American Agriculturist.*

A. F. Ackley lives at Woodstock, Ill., and he is a breeder of Buffs of a number of varieties, including Rocks, Wyandottes, Cochin Bantams, also White Plymouth Rocks and White Wyandottes In an interesting letter to the editor he writes as follows: "I have the nicest lot of young stock I ever raised and have 150 fine chicks of Buff and White Rocks and Buff and White Wyandottes to offer for sale this fall." This should be interesting information to breeders of this variety.

Poultry Houses and Fixtures.

Written expressly for AMERICAN POULTRY JOURNAL by E. A. Phelps, Austinburg, Ohio.

A Beginner's Poultry House.

In compliance with suggestions from the editor, I shall attempt to illustrate and describe a series of poultry houses, fixtures and such appliances as are needed by the breeder from time to time, begining with the smaller and simpler structures, adapted to the needs of the beginner.

The season for buying stock is now at hand; and there is no better way to start in the poultry business, than to purchase as many head of old or young stock, as one's means and accommodation will allow. Experience has amply demonstrated that it is more satisfactory and economical to purchase stock for a start than eggs; and I believe also, that better results will be obtained from one or two year old birds, than from young stock.

The accompanying sketches illustrate a small and very simple poultry house, of the scratching shed type. The cost to build is small, and any one at all ingenious will have no trouble in understanding and constructing it. The roosting and laying room is 3x5 feet on inside, while the open front scratching pen is 5x5 feet, and giving as it does a floor space of 25 square feet (not mentioning the roosting room) the space is ample for a trio af adult birds, and with experience, five could be satisfactorily wintered. The entire frame is of 2x4's and the illustrations show plainly how it is put together. The two scantlings, forming the front and back sills, are spiked to those forming the ends, as shown in figs. 1 and 2. These are cut the following lengths: Front and back, 9 feet long; ends 2 feet two inches. There are but six studs, three of which are cut six feet (for front) and three feet for back. They are toenailed to the sills in the positions shown in figs. 1 and 2. Set the four corner studs first, and plumb and brace them temporarily. Set the other two so that there shall be *just three feet between* them and the corner studs. The front and back rafters are of course the same length, (9 feet) as the sills, and are next cut and toenailed onto the studs. See fig. 2. The end rafters (fig 2) are cut to fit in as shown. The roof is stiffened by means of a middle rafter, shown in fig. 4, same being cut 8 feet 8 inches long. To stiffen the sides, trimmers of 2x4 are put in as shown in figs. 2 and 4. Fig. 3 shows a 2x4 sill, 5 feet 2 inches long, set in flat side up and flush with top of the other sills. It is shown to be placed just even with the middle studs and forms a door sill, we will call it. E. E. E. E. fig. 1 are trimmers of 2x4 for a window, which in this case is supposed to be a 14x18 pane of glass, which just fits into the opening and is held in place by strips of wood. The opening may be varied to suit the sash or glass, but should come down to within nine or twelve inches of the sill. Fig. 3 is a floor plan, C. separating the partition between the roosting room and the scratching shed. This partition is made in the form of a door, and is hinged with heavy strap hinges, to give easy access to roosting room when cleaning out, or gathering eggs, or to thoroughly air and renovate same. A small hole, with sliding door, may be cut in this larger or partition door, for the fowls to pass in and out. B. B. shows droppings board eighteen inches wide and A shows roost, which is a 2x4 flat side up, with sharp corners rounded off. The corner of droppings board designated F. is supported from the ceiling by means of wire and screw eyes. This end of the roost is supported in the same manner. The nests may be located under the droppings board, or against the wall as desired, but everything inside a poultry house should be easily removed.

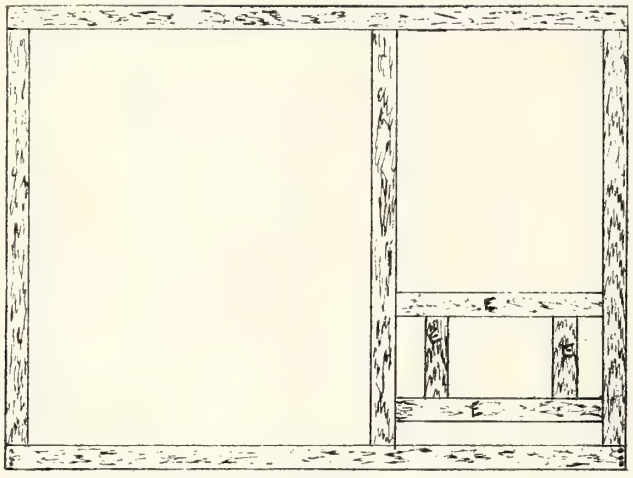


Fig. 1

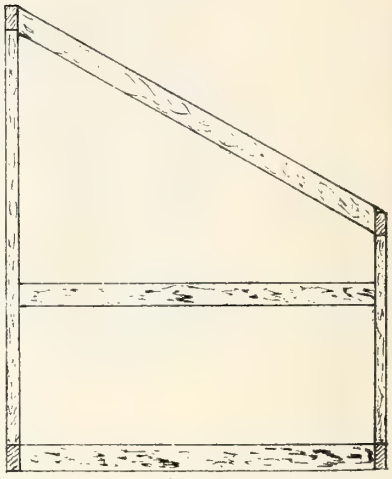


Fig 2

The building is boarded with 12-inch boards, perpendicularly, as shown, and sides and roof may be battened or Neponset paper put on. The scratching shed is open at front, and but one thickness of boards for sides. A frame may be constructed to cover the front, and canvas tacked thereon, for use in blustering weather. Ordinarily, however, it is best left open. The roosting room is boarded on the inside also, thus leaving an airspace of two inches. Tarred felt may then be put on sides and ceiling and on partition door, and when shut up for the night you will not be troubled with frosted combs, even with Leghorns. Straw or leaves may be banked up around the roosting room and additional warmth thus secured in coldest weather. Bill of materials for the building as shown is as follows:

10 pieces 2x4-16—106 2-3 sq. feet.
16 boards 1x12-16—256 sq. feet.

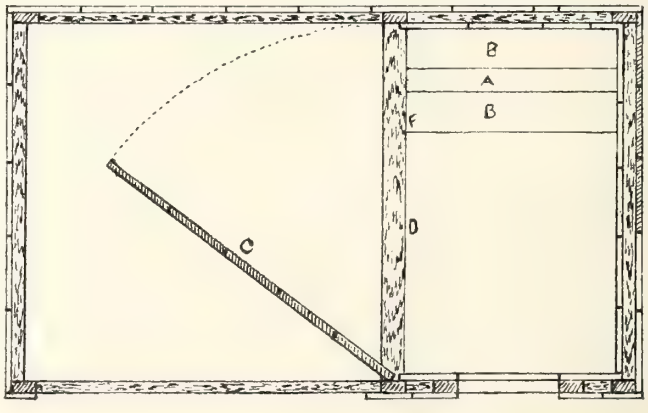


Fig. 3

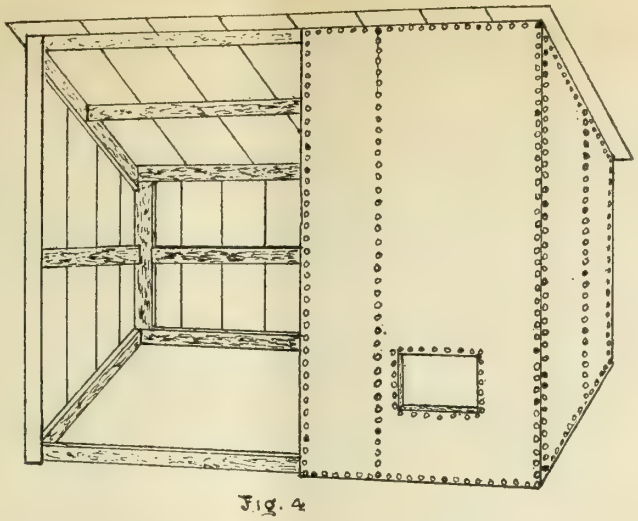


Fig. 4

5 boards 1x4-16—28 1-3 sq. feet.
The four-inch boards are for battens.
1 pane of glass 14x18 inches.
1 pair heavy strap hinges.
2 lbs. 20 p. nails.
5 lbs. 8 p. nails.
132 square feet Neponset paper, or felt, with caps and nails.

BELGIAN HARE CULTURE.

There are many people who are fond of pets, but cannot afford to keep them on account of limited space, as well as limited funds, and also for the reason that those pets after being matured will not bring enough to pay for their raising. It is partly for such people that this article is written. It is also the intention of the writer to place before the fancier a subject worthy of his consideration.

There is no need to go into the detail of the origin of the Belgian Hare. They are with us, and are enjoying a boom. The question is often asked, "Will not the business be overdone when so many are going into it?"

The writer, in answer, states that when many breeders go into it on a large scale the prices may be lowered, but never will an article of superior merit as a food be crowded down so low that there will be no profit in raising it.

In, or very near Chicago, one firm is about to launch into the business on purely a market basis, with a capacity of 25,000 hares per annum. One feature of their scheme is to cook, can and put on the market potted hare of the same grade of excellence as the best potted ham, chicken, turkey, grouse, etc. When it becomes generally known that the meat of the Belgian hare is second to none as a delicate, sweet, and dainty article of food, and that the entire carcass is as white, juicy and tender as the breast of the spring chicken, that the cost of raising is very much less, and that the work of care and feeding is such a small item compared to the successful raising of poultry, etc., after a careful investigation of the possibilities of hare raising, many fanciers will go into it on as large a scale as they now handle poultry, and they will find that, as an addition to the poultry plant, it will pay largely.

There is a larger number of Belgian Hare fanciers in Denver than in any other city in the United States, if not in the world, and there are none of them who, if they started right, have not made it pay splendidly, and at this time there are very few persons who are raising them for the market. The possibilities are surprising. A person starting with one pair six months old, if he breeds and handles them in a scientific manner, will, at the end of thirty days, have a litter of an average of eight. When the young are four weeks old the doe may again be bred, the young to be weaned at six weeks. When the first litter is eight weeks old the next litter arrives. The young from one pair will average fifty per annum. Of course, the does in the first litter will be old enough to breed in six months, and the young bucks may be marketed. Then breeding the young does when they are of age, and figuring that each litter has four does and four bucks, there can be in the neighborhood of 250 hares raised from one pair in one year.

The usual hutch for hares is about three feet wide by three feet deep and two feet high. This will accommodate a doe and her litter until weaning time, then they may be put into yards, or a box of the same size will do until they are four months old, when the sexes must be separated.

Hares will thrive on any feed that a sheep will eat, but the best feed is clover or alfalfa hay and a small handful of oats twice a day. Plenty of fresh clean water must be kept before them at all times.

When taken to market, the Belgian is dressed ready for the oven, and the purchaser pays for meat only, which is not the case when he buys a fowl, which is seldom sold drawn. We have three large markets in Denver that buy all that are offered, and pay 15 cents per pound for dressed stock, which are snapped up at 20 cents per pound at retail.

Now, as to the cost of producing. Ever since we engaged in the hare business in connection with our poultry plant, we have at all times kept strict account of feed, etc., and, although, of the hundreds of hares we have sold we have never sold a single dressed hare, preferring them for our own tables when we had disqualified specimens; our rule being to never sell, at any price, a disqualified animal, always dressing them for ourselves. We find that where the breeder is obliged to buy his own feed, as we are, he can produce one pound of hare meat (dressed ready for the oven) for 5 cents. A six months old hare will dress from four to five pounds. This at 15 cents per pound, nets a handsome profit.—*Frank E. Kimball in the Pacific Poultryman.*

SHERIDAN'S CONDITION POWDER in their food, once daily. If your hens are shedding their feathers and not laying, they are out of condition. All the best poultry authorities say, "when a hen is in condition she will lay perfect eggs and plenty of them. Then help them over molting time.

Sheridan's Powder

Is worth its weight in gold for molting hens.

JOHN R. JONES, of Suffield, Conn., says:—I find Sheridan's Condition Powder fed once daily in the food, very valuable for molting hens. It assists in growing new feathers, makes the combs bright red, and gives a rich, natural plumage. Costs one tenth cent a day. Nothing on earth will

Make Hens Lay

like it. Therefore, no matter what kind of food you use, mix with it daily, Sheridan's Powder.

If you can't get the Powder send to us. One pack. 25 cts; five, $1. Large can $1.20. Six, exp. paid, $5. I. S. JOHNSON & CO., Boston, Mass.

NEW STYLE HAWK TRAP.

Grassy, Ky., June 22, 1899.
Page Woven Wire Fence Company,
Adrian, Mich.

GENTLEMEN: — Enclosed please find check for $75.00 and an order for one gate.

Last Monday as I was passing the residence of Mrs. Scobee, a lady who has her garden fenced with Page 23 bar 58 inch Poultry Fence, she came out and inquired if I had heard that Page Poultry Fence was a hawk trap as well as chicken proof, and I told her I had not. "Well," said she, "one of the largest hawks I ever saw aimed to catch some of my young chickens the other day, but did not see the fence as he darted down, and was caught between the wires and held fast there until I went up and killed him with a rock."

Yours Truly,
C. C. THOMSON.

A CARD.

I desire to inform the fraternity of poultrymen that I have sold the FANCIERS' REVIEW to Mr. E. C. Powell, of Chatham, N. Y., who will take possession immediately. Mr. Powell is a frequent contributor to the agricultural press and of practical experience in poultry culture. It will continue to be published in this place. I shall retain the proprietorship of the various poultry books that I have issued, and orders for same should hereafter be sent to my personal address.

In severing my connection with the poultry press, I desire to thank my brother publishers for their many kindly references to the REVIEW since its first issue 12 years ago.

Fraternally yours,
J. W. DARROW.

Chatham, N. Y., Aug. 1, 1899.

National Fanciers' Association of Chicago

DIRECTORY NATIONAL FANCIERS' ASSOCIATION OF CHICAGO.

The Fourth Annual Exhibition of the National Fanciers' Association of Chicago will be held in this city January 22 to 27, 1900.

President—W. W. Hogle.
First Vice-President—L. H. Fuller.
Second Vice-President—C. A. Damon.
Treasurer—L. B. Richardson.
Secretary—Fred L. Kimmey.
Asst. Secretary—K. J. Muir.
Directors—A. E. Brown, B. F. Hedges, J. C. Platt, Wm. Plaehn, F. B. F. Rhodes, P. H. Sprague, F. W. Ward. M. Wagner.

Regular monthly meeting is held at the Sherman House the first Wednesday in each month at 8 p. m.

FRED L. KIMMEY,
Morgan Park, Ill.,
Secretary National Fanciers' Association of Chicago.

HOW THE CHICAGO SHOW WILL BE JUDGED.

Chicago Has Inaugurated a Double System of Judging which the Fanciers of the Country will Watch with Interest.

By C. M. DAVIDSON, Chicago Lawn, Ill.

That there is much yet to be explained respecting the method of judging to be used at the next Chicago show, is evident from the tone of an article that has recently appeared in several journals, credited to Mr. G. O. Brown.

In writing on "this novel method of judging" as he terms it, our critic thinks it is a "most peculiar one in some repects."

For the gentleman's information as well as to give others who may not yet have grasped the real object sought by the Chicago association, in this double system of judging, I would attempt an answer to a few of the questions propounded by Mr. Brown.

This method of comparison and score card judging has not been inaugurated simply to satisfy the score card and comparison advocates. The object sought is to pave a shorter road to the placing of ribbons, and to give every bird entitled to consideration a mark of its worth, so it can go out and proclaim the fact: "I have been to Chicago, and, although I am not the proud possessor of a ribbon, still I consider myself a pretty good specimen,—see, here is my score card."

The exhibiter returns home with an added value to every bird placed in competition, because every bird that has not been awarded a ribbon possesses the score card. But the prime object of this double method of judging is an effort to arrive at a system of judging that will be satisfactory alike to exhibiter, judge and prospective purchaser.

The Chicago association fully realizes they have an experiment in hand, but at the same time are convinced no harm will result, while much good may, in the end, be brought about.

In the article referred to, Mr. Brown puts the question: "If any of the winners are owned by score card advocates, will they be satisfied with the comparison selection of the trio of judges?" Why not? If you were approached by an individual holding a silver dollar in each hand, one bearing the American stamp, the other the Mexican, and this benevolent individual should say, Take your choice, would you hesitate in accepting the American dollar just because the Mexican stamped dollar contained more silver? Certainly not. For the same reason every fancier who enters birds in competition at Chicago will gracefully, most gladly, accept the ribbon if presented to any of his hopefuls. You know the ribbon will be worth par, with prospects of a premium added.

Taking the non-winners in hand, Mr. Brown asks: "If any of the left-out-of-the-winner-bird class are owned by comparison men will they be satisfied with a score-card-decision?" Why not? That person would be a crank indeed who would refuse a 50-cent dollar just because he was not fortunate in getting first pick. Any fancier whether score-card or comparison advocate who has paid out good American dollars to enter birds in a show where it is known competition will be close, will be only too thankful he is in line to get score cards on the non-winners.

The score card is valuable and not to be despised; but it needs a ribbon attached to make it worth one hundred cents on the dollar. With the ribbon it is different, especially when stamped with the official seal of the Chicago show or any show where competition is national. Again, the selection of winners by two judges, with a third judge to break any possible tie, adds much to the value of this metnod. We get the judgment of two experts instead of one and incidentally compel men of perhaps different opinions on color and other points to walk in the same path.

Another question Mr. Brown asks is this: "In a large show such as Chicago and other large city centers hold, what use is there in scoring a lot of inferior birds—birds that will not score 85?"

Inferior birds are so few and far between at these large shows that to count them out would cut small figure in final results. This is shown conclusively by figures taken from the records of the last Chicago show. In looking the matter up, we learn that there were only six specimens scored 85 or less—four Silver Laced Wyandottes and two Partridge Cochins. This fact demonstrates that the breeder who enters a string of birds at a large show is pretty well informed on what class of company he will meet and is very careful to enter none but the very best his yards will produce, cutting out all such specimens as in his judgment will fail to be somewhere near the top notch in the scale of perfection.

Mr. Brown truly asserts that "this question of methods in judging is well worth an exchange of ideas." The poultry show is an educational institution. It is there we see the most advanced results in breeding every variety of fowl and are offered an opportunity to learn many valuable lessons.

So it is, that, being in the strife to keep abreast of the times and the growth of poultry culture, the Chicago fanciers have only taken another step in the onward march that will eventually lead to a system of judging satisfactory to all concerned.

C. M. DAVIDSON.

Chicago Lawn, Ill.

MR. MILLS ANNOUNCES HIMSELF AS A JUDGE.

Thos. H. Mills offers his services as a specialty judge—Buff specialist—and will make dates with associations, or will score privately and mate up breeding pens. He has had years of experience with Buffs, and has bred and is breeding Buff Cochins, Rocks, Leghorns, Wyandottes and Orpingtons. Correspondence invited. Al work guaranteed accurate, backed by the Standard and experience. Address communications to Thos. H. Mills, Port Huron, Mich.

Fire on South Water street recently resulted in the freeing of two dozen chickens that are now scratching for a living among the cobblestones of the downtown district.—*Chicago Journal.*

MAGAZINES.

September is the month for fishing and outdoor sports, and is the beginning of the hunting season in Canada and in Maine. *Scribner's* for September has a number of articles with an outdoor flavor to them. It opens with an account by Frederic Irland of what he calls "the finest canoeing country in the world." He made a five hundred mile journey from Mattawa to the headwaters of the Ottawa and Gatineau rivers, through a region abounding in fish and moose. It has been for centuries and is now the home of the Algonquin Indian. The region through which Mr. Irland traveled with Algonquins for guides is the best sportsman's haunt left in America. Much of the wilderness is as yet uncharted. The illustrations are made from the author's abundant photographs. He will be remembered as the author of two former sporting articles in *Scribner's*, one on New Brunswick and the other on the Mingan Seigniory.

The influence of the late Augustin Daly upon the American stage has nowhere been so strongly shown as in the August *Cosmopolitan*. The editor has employed the pen of the distinguished critic, Gustav Kobbe, to write of Daly and his work, and the value of the article is doubled by the superb set of illustrations accompanying it. The portraits of nearly seventy actors and actresses are given, each of whom has been connected with Mr. Daly at one time or another. All of these attained success and prominence, and it takes but a glance through the pages of the article to realize the immeasurable debt owed by the theatrical profession and its supporting public to Augustin Daly.

Clara Morris, the actress, has written a charmingly poetic story, "The Princess Porcelain," which is published in the August *Ladies' Home Journal*. It is Miss Morris' desire to become as well known as an authoress as she is an actress, and in the hope of such achievement she has entered the literary field. Two or three other stories from her pen have been published during recent years, and they have been received with the highest approval. Thus far Miss Morris' literary efforts have met with great success, and she finds a place for everything that comes from her pen.

Questions and Answers.

ABOUT THE THERMOMETERS.

Editor American Poultry Journal—

DEAR SIR:—I have an incubator (home made), but have not made any hatches yet, and having not much experience would like to know if an incubator can be run with one thermometer. Some one told me I must change thermometers every other day, as it would not be accurate. I have a Taylor Bros. in them. Please let me know by letter if it is true or not. Yours truly.

JOHN E. GROH.

Freistatt, Mo.

REPLY.—You will need but one thermometer. If a thermometer is correct to start with it will remain correct under all conditions until it is broken. The mercury never changes in its expansive and contractile quality and one thermometer is as good as a dozen if it is correctly graduated.

HOW TO PREPARE BIRDS FOR THE SHOW ROOM.

Editor American Poultry Journal—

Will you answer the following questions for me? How do you prepare birds for the show room? How do you wash them and what with? There was a piece in the August number about how to prepare birds for the show room, but that tells about Asiatics and the questions I ask you are for American breeds—White Wyandottes. Answer them for me in your next paper and oblige. Yours respectfully. R. C. STUART.

South McAlester, I. T.

REPLY.—The way to prepare birds for the show room is to begin a long time before and give special care to about four times as many promising birds as you expect to show. Keep them in a room by themselves, being sure to keep cocks and cockerels that are not acquainted away from each other to prevent fighting. Clean the room every day and keep fresh straw on the floor. It is best to accustom the birds to roosting on the floor so they will not worry in the show room about not having a perch to sit on. A week before the show give all the white birds a thorough washing. This is a very simple operation. Make some soft water warm, heating it to about 120 degrees and with Ivory soap wash their plumage until it is clean, performing the operation in a room heated until it is quite warm. No special care need be taken in washing except that the plumage should be rumpled as little as possible. After the bird is clean rinse in water of the same temperature until all the soap is washed out. Then wipe with a bath towel as dry as convenient and turn the bird loose in the room. It will look pretty rough at first and be shrunken up pretty badly, but as the plumage dries it will begin to preen its feathers and will soon look as tidy as can be. Rub the shanks and comb, earlobes and wattles with sweet oil and keep in a perfectly clean place until ready to show.

DEAD IN THE SHELL.

I have recently commenced to use an incubator. I have no difficulty in getting about 80 or 90 per cent of fully developed chicks, 40 per cent of which pip the shell and then die. Of the 10 per cent that get out all live and do well. I am very careful about leaving the machine open at this time. Will you kindly answer in your columns what is the likely cause?

AN A. P. J. READER.

REPLY.—The likely cause may be either of half a dozen. The heat may have been too high or too low or the eggs may have been too old when put into the machine, but it is altogether probable that the egg-chamber was opened a dozen or more times in the twenty-four hours after the first egg was pipped and if so that is the most likely cause. Three things should be remembered by beginners with an incubator. That opening the egg-chamber while the hatch is coming off is exceedingly dangerous. It isn't a question of leaving it open, it is opening it at all. Keep it SHUT. It may be that our friend used too much moisture. If so he should use less. The air bubble as seen through the tester should occupy one-third of the space inside the shell on the twentieth day. If too much moisture is used the chick grows too large in the shell and has not room left to move its head and break the shell. I had a fine hatch this season without the use of any moisture and a friend who has alternated during the whole season between moisture and no moisture doesn't know now which is best. As a matter of fact incubator operators who are experts are using much less moisture than they did three or four years ago.

THE TIME TO SOW.

Please tell me when is the best time to sow rape, canary, hemp, millet and sunflower and which makes the best food for poultry. G. R. F.

Helena, Mont.

REPLY.—The best time to sow any of these is in the spring as soon as danger from frost is over. You may leave rape, hemp and canary out of the list for in your latitude they would not mature unless you are very favorably situated and then not well enough to make paying crops. Millet and sunflower will take their place very well and both are easily grown. We sow millet near Chicago at any time up to the last of June. In Montana you would probably be safer to sow in May. Sow half a bushel to the acre on well prepared ground. Sunflowers should be planted early. Plant in rows four feet apart with one stalk every two feet in the row and cultivate as you would corn. An acre of sunflowers will produce more valuable poultry feed than an acre devoted to any other grain.

INDIAN GAMES AND PLYMOUTH ROCKS.

What mixture is there in Indian Games? Where did they come from? What are their good qualities?

Where did the Plymouth Rock first start? Who owned them? Why so named?

Where can I buy White Guineas?

MRS. N. C.

Dalton City, Ill.

REPLY.—The Indian Game is supposed to be an original breed which means that it originated so far back in history that its make-up is unknown. Originally they came from India and the Japanese have a breed of fowls almost exactly like them. We called them Cornish Indian Games when they were first introduced into this country a few years ago because the stock was imported from Cornwall, a county in England. Indian Games are of two varieties. One variety is pure white and the other is mahogany color with pencilings of lighter color similar to those of the Partridge Cochin. The penciled variety is the most numerous. Their good qualities are hardiness and the large amount of breast meat they carry, making them the best table fowl we have. They are also valuable to cross of other breeds for the purpose of making broilers. The hens are only moderately good layers, and make good mothers.

We cannot attempt to give a history of the Plymouth Rocks in the space at our disposal. In fact their history is not well known. Some years ago there were two strains of fowls called Plymouth Rocks—one the Essex and the other the Spaulding — if we remember aright. These fowls were made up by crossing American Dominiques, White Birminghams, Black Javas and perhaps an Asiatic breed. Why they were called Plymouth Rocks no one living can tell. Probably for the same reason that another American breed was called Wyandottes—being nameless they wanted a name.

THE BEST SEASON.

New Pittsburg, O., Aug. 12, 1899.

Editor American Poultry Journal—

DEAR SIR:—In reply to your inquiry, will say the past season has been the best we ever had in eggs, poultry and poultry supplies. Sold all the eggs we could possibly spare. Sold all surplus stock early in the season, and our sales of poultry supplies have been more than double the sales of last year. The results from our ad in American Poultry Journal are excellent.

THE I. F. SCHOTT COMPANY,
Per I. F. SCHOTT.

A MOST SATISFACTORY BUSINESS YEAR.

Jackson, Mich., July 19, 1899.

Editor American Poultry Journal—

DEAR SIR:—Business with me this season has been most satisfactory. While not yet overwhelmed with orders for "fowl catchers," what I have sent out have proved a pleasant surprise to customers, which insures future popularity. Early hatches were a failure, but have managed to get out a nice lot of Buff Cochins and Buff Rocks, many eight weeks' old chicks weighing two pounds. Shall engage quite extensively in the broiler business the coming season, using Buff Rocks for the purpose. Have enclosed a copy of my new fall circular, and hope to place a copy in the hands of every last one of your readers. Yours, etc. H. Y. HANCHETT.

A. F. Ackley of Woodstock, Ill., changes his ad in this issue which we have no doubt will be of interest to our readers. He says he has the nicest lot of young stock he has ever raised. He has 150 chicks in Buff and White Rocks, and Buff and White Rock Wyandottes to offer for sale this fall.

CHICAGO POULTRY SUPPLY HOUSE

We carry in stock every description of Poultry Supplies. Incubators, Brooders, Bone Cutters, Oyster Shells, Grit, Blood Meal, Peas, Millet Seed, Beef Scraps, Coops, Drinking Fountains, Lice Killers, Roup Cures. Buy of us and save the freight from eastern points. Send for catalogue.

F. S. BURCH & CO.,
178 Michigan st., Chicago, Ill.

THE AMERICAN POULTRY JOURNAL

Published the first of each month by
MORGAN BATES & CO.

Entered at the postoffice at Chicago, Ill., as mail matter of the second class.

Subscription price 50 cents a year in advance.
When delivered by carrier in Chicago 75 cts. a year in advance.
Payment for AMERICAN POULTRY JOURNAL, when sent by mail, should be made by money order, registered letter, bank draft or express money order.
Stamps can be sent for small amounts.

Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.

Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a favor by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

All copy for advertising and manuscripts for publication should reach us not later than the 20th of the month preceding the date of issue.

CHANGE IN ADVERTISING RATES.

The publishers of the American Poultry Journal announce an advance in advertising rates to take effect on Oct. 15.

The many improvements made in the American Poultry Journal during the past year, the increase in size from thirty-two to sixty-four pages, have been appreciated by the poultry raisers of the country to such an extent that the circulation of The Journal was more than doubled during the past season. Plans now under way for the fall and winter subscription work give promise of still further increase in circulation.

Such growth, of course, makes necessary an increase in the advertising rates. It has been our policy not to advance our rates before such an advance becomes absolutely necessary, and the increase now made is but a slight one and still leaves The Journal one of the most profitable advertising propositions found anywhere.

The rate will be advanced on the date named from $1.40 per inch to $1.75 per inch. On time or space contracts liberal discounts will be made.

The Journal's new rates are still lower than any similar publication in the country, considering the large circulation given advertisers. In the future, as in the past, we shall aim to give our advertising patrons, as well as our subscribers, full value for every dollar received from them, and we feel confident that the rapid growth of our circulation will enable us to do this in even a more marked degree than heretofore.

Prior to Oct. 15 advertising contracts may be made at the old rate.

MORGAN BATES & CO.,
Publishers.

THE RELIABLE INCUBATOR AND BROODER COMPANY'S TWENTIETH CENTURY CATALOGUE.

The new twentieth century catalogue just sent out by the Reliable Incubator and Brooder Company, of Quincy, Ill., is a fine example of concise, complete information of the incubators and brooders that they manufacture, and of the vast amount of poultry and poultry supplies that they raise and handle. It is well printed and illustrated and is the product of fifteen years' experience in producing just such a book as will most clearly and readily describe and illustrate their goods. It is, as well, a complete poultryman's guide and contains information that will enable a novice to conduct the poultry business in a successful and profitable manner.

FROM SECRETARY-TREASURER BRIDGE.

Columbus, O., July 28, 1899.

Editor American Poultry Journal—

DEAR SIR:—The formal transfer of the office of secretary-treasurer of the American Poultry Association has been made, and after auditing the accounts I wish to thus publicly congratulate Mr. A. E. Felch on the careful manner in which he conducted the office.

All communications for the American Poultry Association should now be addressed to me as above, and I wish to assure you all correspondence will be promptly answered. Fraternally,

H. A. BRIDGE,
Secretary-Treasurer American Poultry Association.

UNSOLICITED TESTIMONIALS.

The American Poultry Journal isn't given much to blowing its own horn, but its publishers have had some good letters accumulating for some time, sent in by its advertisers and readers freely and without solicitation testifying to its good qualities.

What others say in a complimentary manner goes a long way as an evidence of the merits of a publication like the American Poultry Journal.

These letters make mighty interesting reading to those who are looking for the best place to advertise. We have several scores more of these letters, but believe this installment will be enough to convince skeptical ones that the American Poultry Journal is a good advertising medium. With apologies for encroaching on regular reading columns to publish these letters, we express the wish that the reading of them will induce poultrymen to advertise in the American Poultry Journal. We express the conviction, based on what it has done for others, that our new friends will find their sales increased and their business expanded through an ad in the American Poultry Journal.

The J. W. Miller Co.

The J. W. Miller Co., Freeport, Ill., Feb. 25, 1899.—American Poultry Journal is doing splendid work for us. In fact, it is giving a hard race for first place in our record of inquiries.

Darling & Co. Are Satisfied.

Darling & Co., Union Stocks Yards, Chicago, March 15, 1899.—Our advertising in your valuable paper has been entirely satisfactory. The results have exceeded our expectations and your treatment has been most courteous. We appreciate your efforts in advancing the poultry industry in all its branches and commend you for the valuable assistance you are giving. The poultry industry has outgrown the experimental stage and is now on a sound money-making business. There is no danger of its being overdone. [Darling & Co. represent the supply trade in meat, meal, shell, bone and every kind of feed. Their trade is immense, and commendation from them is highly appreciated by us.—ED. A. P. J.]

Another Man Is Pleased.

William Rudi, Bourbon, Ind., Feb. 7, 1899.—I cheerfully say that my ad in A. P. J. was most satisfactory and brought lots of inquiries and a good many sales. I have shipped birds to Texas and Kentucky.

That's the Point.

S. E. McIntosh, Hardinsburg, Ind., Feb. 1, 1899.—My ad in A. P. J. is bringing me trade.

Sold All His Turkeys.

Thomas McKee, Washburn, Ill., Feb. 24, 1899.—Thanks to A. P. J., I have sold all my turkeys.

Tired of Answers.

J. A. North, Lake Zurich, Ill., Feb. 27, 1899.—Take out my 30-word ad. I have more answers than I can attend to.

One More Small Ad.

Rev. Lewis Richey.—I thank you for my success in patronizing A. P. J. Excellent results from a small ad.

P. Mitchell & Co.

P. Mitchell & Co., nurserymen, New Carlisle, Ohio, March 16, 1899.—We are advertising in several papers, but our ad in American Poultry Journal brings in more inquiries than all the others combined. I have always been an admirer of A. P. J.

Thanks Us for Asking Him.

Ralph H. Mathew, Sabina, O., March 14, 1899.—I thank you very much for inducing me to become a patron of American Poultry Journal.

On a Gold Basis.

Allen E. Spangler, Hanover, Pa., March 8, 1899.—A. P. J. is worth its weight in gold. I. place it at the head of its class.

Many Sales.

J. O. Walton, Chelsea, Ia., Feb. 23, 1899.—My small ad in A. P. J. has brought many inquiries and made a number of good sales.

Worth a Year's Price.

H. D. McCain, Elizabethtown, Tenn., April 12, 1899.—One article alone in February A. P. J. was worth a year's subscription.

Beats Them All.

Geo. Stelzer, Oshkosh, Wis., April 13, 1899.—American Poultry Journal is the best one I advertise in. It brings more inquiries and sales than any other.

Would Not Do Without It.

Mrs. Maria Young, Wren, O., May 3, 1899.—I would not do without A. P. J. for twice its cost.

Doing Good Work.

G. G. Wherry, Galena, O., March 18, 1899.—A. P. J. is doing good work for me.

Montana Is Heard From.

Capt. John Schaller, Kalispell, Mont., April 25, 1899.—American Poultry Journal is the best poultry publication in the United States.

Fifty Cents' Worth.

Wm. G. Warnock, Geneseo, Ill., April 18, 1899.—I have sold $7.25 worth of stock from my 50-cent ad in A. P. J.

Several Lengths Ahead.

W. H. Scovil, East Lebanon, Me., April 14, 1899.—American Poultry Journal leads all others by several lengths as an advertising medium for me. It reaches a class of people who know a good thing when they see it. The larger part of my business can be directly traced to A. P. J.

Beyond Expectations.

W. M. Jones, Alvin, Ill., March 15, 1899.—I have received returns from my small ad in A. P. J. far beyond my expectations. This little ad at $1 for three months brought letters from Mississippi, Missouri, Texas, West Virginia, Ohio, Indiana, Vermont, Pennsylvania, Kansas, Nebraska, Connecticut, Massachusetts and many other states. I have sold to nearly all of these states. An ad in A. P. J. is the best possible investment when one has eggs or stock for sale.

A Great Advertising Medium.

Lloyd Hallenbeck, Catskill Station, N. Y., April 11, 1899.—I congratulate you on American Poultry Journal as a great adver-

tising medium. I am advertising in 13 different papers, and my ad in your breeders' column brings me more orders than any other. A friend told me a western paper did not pay to advertise in, but from A. P. J. I am getting orders from Texas, Illinois, Michigan, Kentucky, Canada, etc.

Feels He Is Well Paid.

J. L. Jones, New Amsterdam, Ind., April 17, 1899.—I have found one article in American Poultry Journal that has paid me two or three times the cost of subscription.

Leads the Procession.

O. L. King, Walnut Grove, Ill., April 12, 1899.—American Poultry Journal leads all poultry publications I advertise in. Trade has been the best I have ever had.

Orders From Mexico.

L. B. Hanna, Columbus City, Ia., Jan. 28, 1899.—I got an order for $50 worth of Buff Leghorns from Mexico last week, through my ad in American Poultry Journal.

Another Sweepstakes.

G. E. Halteman, Tiffin, O., Jan. 20, 1899.—American Poultry Journal brings in more customers than all the other papers put together that I advertise in. I make more sales from it than from any other medium.

Leads With Highest Score.

W. H. Helwig, New Bedford, O., Jan. 17, 1899.—American Poultry Journal leads with the highest score of inquiries. It has brought me replies from nearly every state and territory in the Union, from a small ad, too.

D. T. Heimlich's Opinion.

D. T. Heimlich, judge of poultry, Jacksonville, Ill., Feb. 8, 1899.—American Poultry Journal has been a good advertising medium for me the past year, and I take pleasure in recommending it to fanciers and breeders as such. I hope to see it prosper and continue to improve as it has during the past three years.

Rev. John Hughes.

Rev. John Hughes, Table Grove, Ill., Feb. 8, 1899.—I commend American Poultry Journal for its uniform kindness and the business it procures its advertisers. It has sold all my stock and brought me more inquiries than I could fill. It grows better year by year.

A Profitable "Daisy."

S. B. Johnston, Boggstown, Ind., Feb. 11, 1899.—American Poultry Journal is a daisy. I got 70 inquiries from 18 states last month, and from two provinces in Canada—the result of my ad with you.

The Best that Comes.

John C. Lamb, Voorheis, Ill., March 3, 1899.—A. P. J. is the best poultry paper that comes to my hands.

What a Dollar Did.

Clarence W. King, Romulus, N. Y., Feb. 20, 1899.—I had had a 30-word ad in the last three issues of A. P. J. at $1, and sold $50 worth of geese and Cayuga duck from it.

Prefers The Journal.

J. C. Livingston, Livingston, Wis., Feb. 23, 1899.—I prefer American Poultry Journal as an advertising medium. It brings good results.

Pays Him Best.

Harry Hill, Havana, Ill., March 24, 1899.—My one-inch ad in American Poultry Journal is the best paying ad I ever had. I have sold all I can spare, and could have sold $50 worth more.

Sold All Their Stock.

Fred Keith & Son, Lansing, Mich., April 21, 1899.—We are about cleaned out of stock because of our ad in American Poultry Journal. The man who has good stock and advertises it in A. P. J. will make some money.

Exceedingly Well Pleased.

W. J. Lincoln, Mt. Pulaski, Ill., May 12, 1899.—I am exceedingly well pleased with my ad in American Poultry Journal. Must take it out, as it has sold all my spare stock already.

Orders Come Right Along.

Myers Bros., Malden, Ill., Jan. 18, 1899.—American Poultry Journal is bringing us orders right along. We have been unable to fill all of our orders.

Seven-tenths of All Orders.

Lake Remedy Co., St. Louis, Mo., April 21, 1899.—The people evidently know a good thing when they see it, as orders for Lake's Lice Exterminator are coming in from all over the United States, and seven-tenths of them come through American Poultry Journal. We got 65 orders in one day credited to our ad in A. P. J. Here's success to you!

The Orders Bothered Him.

I. T. Bryant, Oxford, O., Feb. 18, 1899.—For goodness' sake, take out my ad of that $5 trio, for I have sold very nearly all I can spare. Change ad to egg offers. American Poultry Journal cannot be surpassed as an advertising medium. I get from 10 to 12 letters a day from my small ad.

Goes Over the Country.

F. J. Phelps, Bucyrus, O., Jan. 18, 1899.—A breeder's card in American Poultry Journal brought me in some good orders.

Even Small Ads Pay Well.

C. H. C. Anderson, Carlinville, Ill., March 7, 1899.—I like American Poultry Journal better with each issue. As an advertising medium it is among the best. A few dollars invested in your "Reliable Breeders' Column" brought me extremely satisfactory results.

Indorses the Reading-Matter.

Z. Campbell, New Cumberland, W. Va., March 4, 1899.—The best articles on poultry that I see are in American Poultry Journal.

Another Case of Too Much.

Mrs. Clara S. Beardsley, Buckingham, Ill., April 15, 1899.—American Poultry Journal does the business for me. I have had to send back money because I could not fill all the orders. I could have sold twice as many eggs as I did if I had had them. [This was from a 30-word ad three times for only $1, and was ordered out before expiration of time.—Ed. A. P. J.]

This Is Pleasant Reading.

C. F. Early, East Palestine, O., Jan. 17, 1899.—American Poultry Journal is one of the leading periodicals in its class. As an advertising medium it is of the highest value. It brought me more orders last season than three other journals combined. I filled 37 orders for eggs through its columns, from one sitting up to 200 eggs to the order.

Worth the Year's Price.

A. W. Gluesenkamp & Son, Batesville, Ind., Feb. 13, 1899.—We have two numbers of American Poultry Journal that we would not sell for 50 cents apiece.

Perfectly Satisfactory.

L. Brown & Co., Scurbridge, Mass., Feb. 9, 1899.—The more we see of American Poultry Journal the better we like it. It has no superior. We have had several responses from Mexico, California and Maine. Your magazine must have a wide circulation. We are perfectly satisfied with our business relations with you.

Did Better Than All Others.

Ferris & Zink, Clover Leaf Stock Farm, New Albany, Ind., April 10, 1899.—We have advertised in a number of papers this year, but American Poultry Journal has proved better for us than all others combined, over 50 per cent of inquiries mentioning A. P. J. Thanking you for courteous treatment, we wish you continued success.

Death to Lice Remedies.

WHEN

you are fixing your birds for a fair or show, be sure that they are not lousy When they are so afflicted they will not look half so well as they will when clean and comfortable. If you don't think of this until they are in their show pens, don't be afraid to then use Lambert's Death to Lice on them. They will look better, act better and win a better place on account of it. This powder will not injure the finest plumage.

WHEN

you only think that your hens are not lousy, look them over closely, especially among the fluffy feathers around the thighs and vent. Lambert's Death to Lice Powder is the pioneer remedy for dusting fowls. It cleans them as fast as you put it on. No waiting. A minute and a handful does the business. Sample by mail 10c; 15 oz. 25c; 48 oz. 50c; 100 oz. $1, f. o. b here or from nearest agency.

WHEN

your hen-house becomes infested with vermin, look under and around the roost and dropping boards for Mites and Spider Lice. These little blood suckers will crawl upon their victims at night and extract the best blood in your flock, it does not matter to them whether it is an ordinary breeder or a $100 show bird. Death to Lice Special dissolved in kerosene will eradicate these little pests, and disinfect the premises. Four oz. box by mail (enough for 1 qt) 10c.

WHEN

your little chickens don't grow, or look dull and sleepy, examine the top of their little heads for lice. When you want to fix them nicely, quickly and well, use Lambert's Death to Lice Ointment. It is also good for head lice on children or scaly shanks on fowls. 10 and 25c postpaid.

WHEN

you have read this announcement write me a postal card and I will mail you "Pocket Book Pointers for Practical Poultry Keepers." One of the biggest little free books on poultry matters that you ever saw. It will tell you something that you desire to know.

WHEN

you want Death to Lice and quick, ask your dealer for it. If he does not have it in stock, send your order direct to me, with his address, and I will endeavor to get him to sell the goods. Samples 10c each. All three at one time 25c.

D. J. LAMBERT,
Box 308. Apponaug, R. I.

MUST SELL OUT

immediately, my entire stock of

WHITE WYANDOTTES.

Chance of a lifetime to obtain some of the best birds in the country. No time for delay. Write immediately to

GEO. H. PHILLIPS,

BOX 320, VILLA RIDGE, ILL.

BUFF COCHIN COCK.
Bred and Owned by H. N. Hanchett, Jackson, Mich.

Rose Comb Brown Leghorns---Exclusively.

I will sell the first prize cockerel at Chicago, Jan. '99, together with 8 high scoring hens, including the first hen at Chicago, for $10.00. A grand chance to get good stock.

C. J. LANCASTER, Maywood Cook Co., Ill.

GREAT HATCHES! THE MONITOR INCUBATOR is thoroughly successful, self regulating, easily operated by unskilled person. We pay freight. 100-egg Old Hen Incubator and Brooder connected $10. Catalogue Free. The Monitor Co., Box 35, Moodus, Conn.

A BIG CUT

For the month of **September only** we will sell

SHERIDAN'S Condition Powder

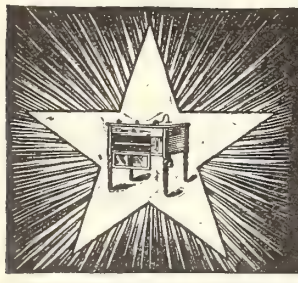
at the extremely low price of 17 cents per package; 75 cents per 2-lb can—the regular price being 25 cents per package and $1.00 per 2-lb. can.

Our immense Illustrated Catalogue free if you will mention where you saw this ad.

EXCELSIOR WIRE AND POULTRY SUPPLY CO. W. V. RUSS, Prop., 28 Vesey St., - New York City.

FRESH EGGS.

The best legislation against stale eggs is for the individual to buy only fresh stock and return the old. It is just as easy to tell a fresh egg as a sound apple or sweet milk. Leave an egg in the nest twelve or twenty-four hours to be kept warm by some broody hen and it is no longer fresh. The process of incubation will tell the story, for it will have commenced. A fresh egg carries the unmistakable evidence on the surface of the shell. It looks as though coated with some rough preparations, which exposed to the air, rapidly disappears. Eggs may not be stale when the shell becomes smooth, but if there is any appearance of a glassy surface or the thickness of the shell seems uneven, beware of its inward strength. The better way is to establish a market for absolutely fresh goods and cultivate the consumer to an appreciation of the same. There is as much difference between an egg one day and one week old as between a mealy and a soggy potato. Once fix in the mind of your customer the worth of fresh eggs and he will never be content with anything else. More than this, his taste being aroused for something choice he will be willing to pay for the same. There are dimes and dollars for him who puts his eggs on the consumer's table before the first blush has departed.—*Maine Farmer.*



The Star Incubator

POSITIVE DIRECTIONS FOR VENTILATION, REGARDLESS OF LOCATION.

No Moisture Required

CATALOGUE OF INCUBATORS AND BROODERS *FREE.*

STAR INCUBATOR CO., 14 Church St., Bound Brook, N.J.

PORTLAND, MICHIGAN, POULTRY CLUB.

The Portland Poultry Club has fixed show dates for Sept. 26-28, at Portland, Mich., with A. B. Shaner, Judge; F. C. Hathaway as Sec'y., and C. W. Browning as President.

All communications directed to Secretary or President will receive prompt attention.

Hope, Ind., Aug. 1, 1899.

This is to certify that I have sold to Mr. J. F. N. Kennedy, Cedar Grove, Ont., Can., the 4 White Plymouth Rock Hens that won the American White Plymouth Rock Club Cup at the great Chicago show last Jan. This addition to Mr. Kennedy's already fine yards of White Rocks gives him one of if not the best yards of White Plymouth Rocks in Canada.

Respectfully,
U. R. FISHEL.

Hope, Ind.

Fred F. Willis recently moved to New Carlisle, Ind. He has now returned to Fort Wayne, Ind., and will go in still heavier in his specialty of Buff and Barred Plymouth Rocks and Buff Cochin Bantams.

Meadville, Pa., Aug. 7, 1899.

Editor American Poultry Journal—

DEAR SIR:—Our second annual show is to be a grand success if push will do it. The first show given by the Meadville Fanciers' Club at Meadville, Pa., was put on and arranged for inside of two months and was a decided success, there being over five hundred specimens on exhibition. They had the largest list of specials offered by any show last season; premiums were paid on the third day; not a kick made in any way to mar the pleasure of the exhibiters; had an elegant hall and paid all bills promptly.

For 1899 our dates are Dec. 19, 20, 21, 22, 23, 24, 25 and 26. Preparations are being made to handle 2,000 birds, and being located in a building with two large halls will be able to care for as many more if they come, and care for them properly. Our list of specials already runs up to very large proportions, and we are assured by many breeders of Ohio and western New York they will be with us, so that a prize won at our show will mean something more than a beautiful ribbon.

Judge Chas. McClave will make the awards. It is useless to say anything in regard to his department—it will be right. Our superintendent, A. J. Blanchard, is a man of considerable ability in the line he has been chosen to fill, and will care for the birds in the way they should be. Parties desiring information will be furnished by writing the secretary, H. L. Lamb, Cambridge Springs, Pa.

USE THE UNIVERSAL HATCHER AND BROODER.

Why loose time and money with any other. We devote our time exclusively to the manufacture of the Universal Hatcher and Brooder. We are not interested in the manufacture of any farm implements or other machines, and with our long time experience with incubators, both hot water and hot air, enables us to put on the market the simplest, strongest and most durable. You can make money using our machines. Write for full description and prices; the price will interest you.

THE E. W. ANDREWS INCUBATOR CO., 209-211 Railroad ave., Elmira, N. Y.

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The Three Leading Officers of the American Rose Comb Brown Leghorn Club.

THE AMERICAN ROSE COMB BROWN LEGHORN CLUB.

The American Rose Comb Brown Leghorn Club has been organized for the purpose of advancing the interests of these fowls and their breeders. Its rapid growth in membership, and the enthusiasm shown by each member, is sufficient evidence, that in a few months more, it will doubtless be one of the largest and most influential specialty clubs in the country, and its influence and power for good already far exceeds the expectations of its promoters.

In addition to the many advantages now being derived by members, it is the intention of the club to issue a catalogue soon, expressing the merits, etc., of this worthy breed, and in which each member's name and address will be advertised free, the catalogues being mailed at the club's expense to any one desiring ad copy.

Every breeder or fancier of Rose Comb Brown Leghorns should not fail to join the club at once and thereby receive full benefit of membership. Send one dollar to the secretary-treasurer for membership card, which will be mailed promptly.

CHARLES M. ZINK,
Secretary-Treasurer,
New Albany, Ind.

Aug. 17, 1899.

BREEDING FANCY POULTRY.

Breeding fancy poultry is a fascinating science, and those who follow it carefully and use fair intelligence can make it a paying industry. The trouble is that people take it up without knowledge of the work. There is a science in all poultry breeding, but far more so in raising fancy breeds than the ordinary farm yard fowls. There are several points that the breeder must keep well in mind. It is shade and feathers that he is breeding for, and not for the qualities which make ordinary poultry valuable. Without perfect shape and appearance the fancy birds would be of little use in a show, and it is for exhibition qualities that he must strive. One may ignore the exhibitions of poultry when raising the birds for market, but he cannot do that if fancy fowls are his object.

In order to understand the business one must read and study upon the subject of fancy fowls. He must have the shape of his breed fixed firmly in his mind. Half the battle depends upon the shape of the bird. By conforming to the ideal shape one lays foundation for all other successes. No matter how perfect the carriage or markings of the bird may be, if the shape is poor they will never come up to the Standard set by the exhibitors of fancy breeds. Good shape generally indicates the rest of the essential points. But not always. Otherwise it would never be necessary to breed for carriage and plumage.

A well-shaped fowl will usually have a good carriage, but occasionally this can be improved by selecting for further breeding the birds that are stately and graceful in their walk and deportment. Breeding for plumage is not the least fascinating part of the fancier's work. It probably yields more genuine pleasure than any other part of the labor. Starting with birds of excellent constitution and shape, it is remarkable what change can be made in the markings of the feathers without in any way destroying or injuring the type. But it takes long years of careful selection and breeding to accomplish this in a way that gives satisfaction. It is a work of love as well as wages.—*Journal of Agriculture.*

RUSSIA THE POULTRY MARKET OF EUROPE.

The egg industy in Germany and Russia has grown enormously during the past years. In 1880 the German import of eggs was valued at $3,500,000. It had gone up to $10,000,000 in 1889, and to $17,000,000 in 1898. There has been a corresponding increase in the Russian export, which in 1881 was $250,000, and had reached $9,000,000 in 1894 and $18,-sian farmers, and is now the principal industry with thousands of them. Cases are shipped via the Kaiser Wilhelm canal to Hamburg without change, and thence direct to England, Belgium, the Netherlands and France. Russia threatens to become the principal poultry market of Europe. The present rate of growth continued for 10 years longer will give her undisputed preeminence in this direction.

A GOOD SEASON.

Galena, O., Aug. 8, 1899.

Editor American Poultry Journal—

DEAR SIR:—In reply to your favor of some time ago, will say that the past season has been very good with me. I have had good returns from my ad in A. P. J., selling almost everything that I cared to dispose of. I had good luck in getting out some early chicks. My first came off the 27th of January, and by the 15th of February I had a nice lote of chicks out. Some of them are almost full grown, and as for quality they just have the quality of spangling that the standard calls for. Wishing you success, I am yours for S. S. Hamburgs. Respectfully, G. G. WHERRY.

TO STOP HER SETTING.

When a hen wishes to set she is usually fat. If you break her she will lay five or six eggs and become broody again. Let her get rid of her fat. Give her one egg, let her stay on the nest two weeks, give her plenty of water, feed her once in two days, and then break her up. If you must break her, however, get a coop with a slat door, slat sides and open everywhere. Let it be raised a foot from the ground. Place the coop in an exposed location, where she can see everything around her. Being disturbed and not being able to warm her airy nest, she gives up in disgust.—*Montreal Witness.*

Reaches All Sections.

J. L. Yohe, Carey, O., April 12, 1899.—I am shipping eggs and stock of Buff Plymouth Rocks to nearly all parts of the Union, especially the West, filling orders received from parties who saw my ad in American Poultry Journal.

B. G. Smith, Elmira, N. Y., White Wyandottes, White Leghorns—Rose and Single-comb

B. G. SMITH, Elmira, N. Y., White Leghorns, White Wyandottes.

SEASON OF 1899-1900.

For the information of the exhibiters of the country and A. P. J. readers we give the following list of judges' dates. We will be glad to add other names to this list and request judges to send their dates as soon as decided upon:

W. S. RUSSELL, Ottumwa, Ia.:
Nov. 28-Dec. 2, 1899—Hamilton, Ohio.
Dec. 4-9, 1899—Macon, Mo.
Dec. 11-16, 1899—Bloomington, Ill.
Dec. 18-23, 1899—Belding, Mich.
Dec. 25-28, 1899—Marshalltown, Ia.
Dec. 27-31, 1899—Keota, Ia.
Jan. 2-6, 1900—Wichita, Kan.
Jan. 8-13, 1900—Quincy, Ill.
Jan. 15-20, 1900—Lincoln, Neb.
Jan. 22-27, 1900—Chicago, Ill.

B. N. PIERCE, Indianapolis, Ind.:
Dec. 4-9, 1899—Roachdale, Ind.
Dec. 9-16, 1899—Indianapolis, Ind.
Dec. 18-23, 1899—Memphis, Tenn.
Dec. 25-28, 1899—Elgin, Ill.
Dec. 26-30, 1899—Danville, Ill.
Jan. 3-7, 1900—Joliet, Ill.
Jan. 8-13, 1900—New Albany, Ind.
Jan. 16-20, 1900—Cincinnati, O.
Jan. 17-24, 1900—Kokomo, Ind.
Jan 22-27, 1900—Chicago, Ill.

D. T. HEIMLICH, Jacksonville, Ill.:
Sept. 5-8, 1899—Rockford, Ill.
Dec. 11-16, 1899—Jacksonville, Ill.
Dec. 18-23, 1899—Wenona, Ill.
Dec. 26-29. 1899—Aurora, Ill.
Jan. 2-7, 1900—Winona, Minn.
Jan. 8-14, 1900—New Albany, Ind.
Jan. 15-21, 1900—Pueblo, Colo.
Jan. 30-Feb. 2, 1900—Carlinville, Ill.

I. K. FELCH, Natick, Mass.:
Sept. 12-14, 1899—Rochester, N. H., cattle
Sept. 19-20, 1899—Palmer, Mass., poultry and cattle.
Sept. 27-28, 1899—Brattleboro, Vt.
Nov. 31-Dec. 2, 1899—Fitchburg, Mass.
Dec. 14-16. 1899—Crestline, O.
Dec. 18-22, 1899—Jackson, Mich.
Dec. 26-31, 1899—Waupaca, Wis.
Jan. 8-12, 1900—Waco, Tex.
Jan. 17-20, 1900—Kansas City, Mo.

F. H. SHELLABARGER, West Liberty, Ia.:
FAIRS.
Aug. 14-18, 1899—Macomb, Ill.
Aug. 23-24, 1899—Sac City, Ia.
Aug. 28, 1899—Lyons, Ia.
Aug. 30, 1899—Mt. Carroll, Ill.
Sept. 13, 1899—Sandwich, Ill.
WINTER SHOWS.
Nov. 1-4, 1899—Charles City, Ia.
Nov. 28-Dec. 2, 1899—Hebron, Neb.
Dec. 13-15, 1899—Jefferson, Ia.
Dec. 18-23, 1899—Iowa Falls, Ia.
Dec. 27-30, 1899—Galena, Ill.
Jan. 2-6, 1900—Le Mars, Ia.
Jan. 8-13, 1900—Topeka, Kan.
Jan. 23-26, 1900—Iowa City, Ia.
Jan. 29-Feb. 2, 1900—Henry, Ill.

JAS. A. TUCKER, Concord, Mich.:
Dec. 11-14, 1899—Battle Creek, Mich.
Dec. 14-15, 1899—Owosso, Mich.
Dec. 19-23, 1899—Wayne, Mich.
Dec. 26-29, 1899—Kalamazoo, Mich.
Jan. 2-6, 1900—Lebanon, Ind.
Jan. 8-12, 1900—Detroit, Mich.
Jan. 15-19, 1900—Cedar Rapids, Ia.
Jan. 24-27, 1900—Fremont, Ohio.

D. J. LAMBERT, Apponaug, R. I.:
Nov. 29, 1899—Brockton, Mass.
Dec. 5-8, 1899—So. Framington, Mass.
Dec. 12-14, 1899—Milford, Mass.
Dec. 19-22, 1899—Wakefield, R. I.
Dec. 22-25, 1899—Seymour, Conn.
Dec. 28, 1899-Jan. 1, 1900—Canton, O.
Jan. 10-12, 1900—Charlotte, N. C.
Jan. 15-20, 1900—Cedar Rapids, Ia.

CHAS. MCCLAVE, New London, Ohio.:
Nov. 27-Dec. 1, 1899—North East, Pa.
Dec. 11-15, 1899—Sycamore, Ohio.
Dec. 19-22, 1899—Meadville, Pa.
Dec. 22-25, 1899—Geneva, Ohio.
Dec. 26-30, 1899—Wooster, Ohio.
Jan. 1-5, 1900—Painesville, Ohio.
Jan. 5-9, 1900—Erie, Pa.
Jan. 9-12, 1900—Freeport, Ill.
Jan. 12-15, 1900—Dayton, Ohio.
Jan. 15-19, 1900—Columbia City, Ind.
Jan. 21-27, 1900—Louisville, Ky.

C. H. RHODES, North Topeka, Kansas:
Nov. 22-25, 1899—Richmond, Mo.
Nov. 29-Dec. 2, 1899—McPherson, Kan.
Dec. 4-9, 1899—Newton, Kan.
Dec. 11-15, 1899—Kingston, Mo.
Dec. 16-18, 1899—Ford City, Mo.
Dec. 18-23, 1899—David City, Neb.
Dec. 26-28, 1899—Superior, Neb.
Dec. 28-30, 1899—Delphos, Kan.
Jan. 2-6, 1900—Beloit, Kan.
Jan. 8-13, 1900—Kingfisher, Okla.
Jan. 15-17, 1900—Great Bend, Kan.
Jan. 17-20, 1900—Pratt, Kan.
Jan. 29-Feb. 1, 1900—Leavenworth, Kan.

THOS. F. RIGG, Iowa Falls, Ia.:
Dec. 18-23, 1899—Iowa Falls, Ia.
Jan. 15-20, 1900—Boston, Mass.
Jan. 22-27, 1900—Chicago, Ill.

W. B. ATHERTON, Randolph, Mass.:
Aug. 30, 1899—Marshfield, Mass.
Sept. 19, 1899—Peabody, Mass.
Sept. 20, 1899—Taunton, Mass.
Oct. 4-6, 1899—Brockton, Mass.
Nov. 30-Dec. 2, 1899—Brockton Fanciers' Club.
Dec. 4, 1899—Greenfield, Mass.
Dec. 5-6, 1899—Clinton, Mass.
Dec. 12-13, 1899—Haverhill, Mass.
Dec. 14, 1899—Fall River, Mass.
Jan. 3-5, 1900—Peabody, Mass.
Jan. 9-11, 1900—Milford, Mass.

J. D. NEVINS, Philadelphia, 403 Providence Building:
December, 1899—Worcester, Mass.
January, 1900—Quincy, Ill.

L. P. HARRIS, Palmyra, Neb.:
Nov. 21-24, 1899—Nelson, Neb.
Nov. 29-Dec. 2, 1899—Malvern, Ia.
Dec. 5-8, 1899—Belleville, Kan.
Dec. 7-9, 1899—Manhattan, Kan.
Dec. 13-15, 1899—Aurora, Neb.
Dec. 19-23, 1899—Clay Center, Neb.
Dec. 26-29, 1899—Orleans, Neb.
Jan. 4-6, 1900—North Bend, Neb.
Jan. 10-13, 1900—Syracuse, Neb.
Jan. 15-19, 1900—Denver, Colo.
Fall fairs not included. Other winter shows under consideration.

GEO. H. NORTHRUP, Raceville, N. Y.:
Nov. 28-Dec. 2, 1899—Philadelphia, Pa.
Dec. 2-5, 1899—Shelby, N. C.
Dec. 5-8, 1899—New Bedford, Mass.
Jan. 16-18, 1900—Port Huron, Mich.
Other engagements pending.

BEN S. MYERS, Crawfordsville, Ind.:
Dec. 4-7, 1899—O'Fallon, Ill.
Dec. 9-16, 1899—Indianapolis, Ind.
Dec. 18-24, 1899—Oakland City, Ind.
Jan. 2-7, 1900—Georgetown, Ill.
Jan. 11-15, 1900—Bunker Hill, Ind.
Jan. 16-19, 1900—Belvidere, Ill.
Several other shows pending.
Aug. 28-31, 1899—Hoopestown, Ill., Fair.
Sept. 4-9, 1899—Shelbyville, Ind., Fair.

D. M. OWEN, Athens, Tenn.:
Dec. 12-17, 1899—Austin, Tex.
Dec. 18-23, 1899—Memphis, Tenn.
Jan. 16-19, 1900—Ft. Worth, Tex.

THEO. HEWES, Trenton, Mo.:
Nov. 20-22, 1899—Mazon, Ill.
Nov. 23-25, 1899—Erie, Ill.
Nov. 27-29, 1899—Cainsville, Mo.
Nov. 30-Dec. 2, 1899—Montgomery City, Mo.
Dec. 4-8, 1899—Sedalia, Mo.
Dec. 11-13, 1899—Crete, Neb.
Dec. 14-16, 1899—McCook, Neb.
Dec. 18-20, 1899—Mt. Pulaski, Ill.
Dec. 21-23, 1899—Palmyra, Ill.
Dec. 25-30, 1899—Bardolph, Ill.
Jan. 1-3, 1900—Blair, Neb.
Jan. 4-6, 1900—Cedar Falls, Iowa.
Jan. 8-13, 1900—Quincy, Ill.
Third week January, 1900—Tacoma, Wash.
Fourth week January, 1900—Spokane, Wash.
Three more shows pending.

A. B. SHANER, Lanark, Ill.:
Aug. 17-18, 1899—Mineral Point, Wis.
Aug. 22-25, 1899—Sterling, Ill.
Sept. 20-22, 1899—Aledo, Ill.
Nov. 14-17, 1899—Garner, Ia.
Nov. 28-Dec. 2, 1899—Rock Island, Ill.
Dec. 5-8, 1899—Girard, Ill.
Dec. 12-15, 1899—Lincoln, Ill.
Dec. 19-22, 1899—Thornton, Ind.
Dec. 26-29, 1899—Portland, Mich.
Jan. 2-6, 1900—Dubuque, Ia.
Jan. 9-13, 1900—Burlington, Wis.
Jan. 16-20, 1900—Broadhead, Wis.

SHOW DATES FOR 1899—1900.

The following information regarding the coming shows is kindly furnished us by the secretaries of the associations and is guaranteed to be correct, as all information is received direct from each secretary. We will consider it a favor to A. P. J. readers and ourselves to receive from secretaries the dates of shows not already included in this list.

1899.

Sept. 7-16.—London, Ont. Western Fair Association. J. A. Nelles, sec'y.

Sept. 12-15.—Washington Co. (N. Y.) Fair. S. B. Ambler, sec'y.

Oct. 10-14.—Hagerstown, Md. Hagerstown Fair. John L. Cost, supt. of poultry; G. O. Brown, J. H. Drevenstedt, F. B. Zimmer, Wm. Stanton, David Nichols, judges.

Oct. 17-20.—Frederick, Md. Frederick Co. Agricultural Society. Geo. O. Brown, judge in poultry department; Harry C. Keefer, sec'y.

Nov. 15-18.—San Jose, Cal. Santa Clara Valley Poultry Club. Judges: O. J. Albee, Brown Leghorns; H. G. Keesling, Langshans; E. H. Freeman, Asiatics; Henry Berrar, all other classes; W. P. Lyon, Eden Vale, Cal., sec'y.

Nov. 21-25.—Fresno, Cal. Fresno Poultry Assn. Ben M. Woodhull, W. O. Moore, judges; E. F. Mitchell, Oleander, sec'y.

Nov. 22-24.—Roscoe, Ohio. The Roscoe Poultry Assn. H. A. Bridge, judge; C. N. Randles, sec'y.

Nov. 27-Dec. 2.—North East, Pa. North East Poultry Assn. Chas. McClave, judge; E. Moulthrope, supt.; W. B. Graham, sec'y.

Nov. 22-25.—Richmond, Mo. Ray Co. (Mo.) Poultry and Pet Stock Assn. C. H. Rhodes, judge; Jas. M. Deacy, sec'y.

Nov. 28-Dec. 2.—Rock Island, Ill. Western Illinois Poultry and Pet Stock Association. A. B. Shaner, poultry judge; M. J. Keiley, pet game judge; Robert Kuschmann, pigeon judge; C. F. Kammerer, sec'y.

Nov. 28-Dec. 2.—Philadelphia, Pa. Keystone Poultry, Pigeon and Pet Stock Association of Philadelphia. H. Kline, sec'y.

Nov. 28-Dec. 2.—Charlotte, Mich. Charlotte Fanciers' Association. Sharp Butterfield, judge; F. M. Grier, sec'y.

Nov. 29-Dec. 1.—Brockton, Mass. Brockton Poultry Association. J. W. Shaen, D. J. Lambert, W. B. Atherton, judges; W. L. Puffer, sec'y.

Nov. 29-Dec. 2.—Hebron, Neb. Thoyer Co. (Neb.) Poultry Club. F. H. Shellabarger, judge; D. J. Richards, sec'y.

Dec. 4-9.—Lansing Mich. Central Michigan Poultry, Pigeon and Pet Stock Association. Sharp Butterfield, judge; Jas. C. Welch, sec'y.

Dec. 4-8.—Elmira, N. Y. Elmira Poultry Assn. F. B. Zimmer, Geo. H. Burgott, judges; Judd H. Johnson, sec'y.

Dec. 4-8.—Macon, Mo. North Missouri Poultry and Pet Stock Assn. W. S. Russell, judge; E. M. Durham, sec'y.

Dec. 5-7.—Torrington, Conn. Torrington Poultry Assn. P. H. Scudder, A. S. Stillman, judges; Fred M. Leach, Box 384, sec'y.

Dec. 4-9.—Miamisburg, O. Miami Poultry Assn. H. A. Bridge, judge; S. B. Groby, sec'y.

Dec. 5-8.—Ellsworth, Wis. West Wisconsin Poultry Association. Geo. D. Holden, judge; L. A. Brown, sec'y.

Dec. 5-8.—Clinton, Mass. Clinton Poultry Assn. A. C. Hawkins, H. B. May, Schley, Bumford Atherton, judges; E. G. Burdett, sec'y.

Dec. 5-8.—Westerly, R. I. Rhode Island Poultry Assn. C. S. Flanders, H. S. Ball, judges; H. S. Babcock, 74 Weybosset st., Providence, R. I., sec'y.

Dec. 5-9.—New Bedford, Mass. New Bedford Poultry Assn. Geo. H. Northrup, Newton A. Knapp, judges; J. W. Owen, sec'y.

Dec. 6-8.—O'Fallon, Ill. O'Fallon Poultry Club. Ben S. Meyers, judge; Chas. A. Fiedemann, sec'y.

Dec. 6-9.—Johnstown, N. Y. Adirondack Poultry and Pet Stock Association. H. J. Quilhot, sec'y.

Dec. 6-9.—Petoskey, Mich. Northern Michigan Poultry Assn. Sharp Butterfield, judge; A. M. Coburn, sec'y.

Dec. 11-15.—Crete, Neb. Blue Valley Poultry Association. Theo. Hewes, judge; C. B. Perry, sec'y.

Dec. 11-15.—Fredonia, N. Y. Chautauqua Co. Poultry and Pigeon Assn. J. Y. Bicknell, Theo. Johnson, judges; H. D. Kirkover, Jr., supt.; P. R. Bartram, sec'y.

Dec. 11-16.—Indianapolis, Ind. Fanciers' Association of Indiana. B. N. Pierce, Ben S. Meyers, judges; J. C. Tarkington, sec'y.

Dec. 11-16.—Worcester, Mass. Worcester Fur and Feather Club. J. I. Lawrence, sec'y.

Dec. 11-16.—Bloomington, Ill. Bloomington Poultry Association. W. S. Russell, judge; F. C. Luettig, sec'y.

Dec. 12-15.—Nashville, Ill. Egyptian Poultry Association. A. S. Mulier, sec'y.

Dec. 12-15.—Nicholsville, Ky. Blue Grass Poultry Association. N. J. Geoby, judge; W. S. Hendren, sec'y.

Dec. 12-15.—Sycamore, O. Sycamore Poultry and Pet Stock Association. Chas. McClave, judge: E. A. St. John, sec'y.

Dec. 12-15.—Mason City, Ia. Cerro Gordo Poultry and Pet Stock Assn. Geo. D. Holden, judge; John D. Reeler, sec'y.

Dec. 12-14.—Milford, Mass. Milford Poultry Assn. H. S. Ball, H. B. May, D. J. Lambert, judges; W. H. Pyne, sec'y.

Dec. 12-16.—Haverhill, Mass. Merrimack Valley Poultry and Pet Stock Assn. A. C. Hawkins, W. B. Atherton, C. A. Ballou, N. A. Knapp, judges; Geo. I. Davis, No. 10 Arlington st., sec'y.

Dec. 12-16.—Crestline, O. Crestline Fanciers' Association. I. K. Felch, judge; E. R. Warden, sec'y.

Dec. 13-16.—West Chester, Pa. West Chester Poultry and Pigeon Assn. Sharp Butterfield, judge; Edw. S. Hickman, Cheyney, Pa., sec'y.

Dec. 18-23.—Iowa Falls, Ia. Iowa Falls Poultry Assn. F. H. Shellabarger and Thos. F. Rigg, judges; Walter Cutting, sec'y.

Dec. 18-23.—Fort Smith, Ark. Arkansas State Poultry and Pet Stock Assn. H. A. Bridge, judge; H. B. Mizell, Pine Bluff, Ark., sec'y.

Dec. 18-20.—Oakland City, Ind. The Wabash Valley Poultry, Pigeon and Pet Stock Association. Ben S. Meyers, judge; P. L. R. Crowder, sec'y.

Dec. 18-22.—Wenona, Ill. Wenona Poultry and Pet Stock Assn. D. T. Heimlich, judge; Otis Montgomery, sec'y.

Dec. 18-22.—Toronto, Canada. Toronto Poultry Assn. J. H. Drevenstedt, L. G. Jarvis, Wm. McNeil, R. H. Essex, poultry judges; C. F. Wagner, pigeon judge; Dr. A. W. Bell, 536 Ontario st., sec'y.

Dec. 18-22.—Jackson, Mich. Jackson Poultry Fanciers' Assn. I. K. Felch, judge; W. H. Eaton, sec'y.

Dec. 18-23.—Mt. Pulaski, Ill. Mt. Pulaski Feathered Stock Assn. Theo. Hewes, judge; W. J. Lincoln, sec'y.

Dec. 18-23.—Belding, Mich. Silk City Poultry Assn. W. S. Russell, judge; Leonard Smith, sec'y.

Dec. 19-23.—David City, Neb. Butler Co. Poultry Assn. C. H. Rhodes, judge; Jos. Kay, sec'y.

Dec. 19-22.—Paxton, Ill. Central Eastern Illinois Poultry Assn. I. N. Barker, judge; E. B. Pitney, sec'y.

Dec. 19-23.—Salina, Kan. Salina Co. Poultry, Pigeon and Pet Stock Assn. W. B. Hathaway, judge; W. C. Sherrill, sec'y.

Dec. 19-26.—Meadville, Pa. Meadville Fanciers' Club. Chas. McClave, judge; H. L. Lamb, sec'y.

Dec. 19-23.—Wayne, Mich. Wayne Poultry Assn. Jas. A. Tucker, judge; Geo. W. Brewer, sec'y.

Dec. 19-23.—St. Clairsville, Ohio. Belmont County Fanciers' Association. Ira C. Keeler, judge; J. W. Riley, sec'y.

Dec. 20-23.—Stockton, Kan. Stockton Poultry Association. F. C. Mullins, judge; N. N. Nehr, sec'y.

Dec. 20-23.—Minneapolis, Kan. Ottawa County (Kan.) Poultry Association. W. B. Hathaway, judge; L. A. Henry, sec'y.

Dec. 20-26.—Milwaukee, Wis. Milwaukee Feathered Stock Assn. Sharp Butterfield, poultry judge; Geo. Ewald, pigeon judge; John H. Pagel, box 57, Station D, cor. sec'y.

Dec. 20-26.—Palmyra, Ill. Palmyra Poultry Club. Theo. Hewes, judge; Scott Etter, sec'y.

Dec. 22-26.—Washington, N. J. Fanciers' Association of New Jersey. Charles Nixon, sec'y.

Dec. 25-28.—Elgin, Ill. Elgin Poultry Association. B. N. Pierce, poultry judge; J. M. Reil, pigeon judge; W. J. Turner, sec'y.

Dec. 25-30.—Macomb, Ill. McDonough Co. (Ill.) Poultry Assn. Theo. Hewes, judge; Miss Marie Edie, sec'y.

Dec. 25-31.—Waupaca, Wis. Wisconsin Poultry Assn. I. K. Felch, judge; W. H. Laabs, sec'y.

Dec. 26-28.—Portland, Mich. Portland Poultry Club. A. B. Shaner, judge; F. C. Hathaway, sec'y.

Dec. 26-29.—Marshalltown, Ia. Marshalltown Poultry Association. W. S. Russell, judge; H. C. Hansen, 608 E. Church st., sec'y.

Dec. 26-30.—Bloomingsburg, O. Bloomingsburg Poultry and Pet Stock Assn. F. J. Marshall, judge; W. F. Jefferson, sec'y.

Dec. 26-30.—Bloomington, Ill. Bloomington Poultry and Pet Stock Association. F. J. Marshall, judge; W. F. Jefferson, sec'y.

Dec. 26-30.—El Dorado, Kan. Butler Co. (Kan.) Fancy Poultry and Pet Stock Assn. J. C. Snyder, judge; C. H. Patterson, sec'y and treas.

Dec. 26-30.—Keota, Ia. Iowa State Poultry Association. F. W. Hitchcock, W. S. Russell, judges; W. L. Holmes, sec'y.

Dec. 26-30.—Danville, Ill. Vermilion County (Ill.) Poultry Assn. B. N. Pierce, judge; C. E. Myers, supt.; A. L. Rice, sec'y.

Dec. 26-30.—Wooster, Ohio. Central Ohio Poultry, Pigeon and Pet Stock Assn. Chas. McClave, judge; C. F. Palmer, sec'y.

Dec. 26-30.—Oklahoma City, Okla. Oklahoma State Poultry Association. J. W. Wale, W. S. Fite, judges; L. F. Laverty, Guthrie, Okla., sec'y.

Dec. 27-29.—Newburgh, N. Y. Wallkill Valley Poultry, Pigeon and Pet Stock Assn. W. J. Stanton, judge; H. W. Millspaugh, Box 191, Walden, N. Y., sec'y.

Dec. 27-28.—Walden, N. Y. Wallkill Valley Poultry, Pigeon and Pet Stock Association. W. J. Stanton, judge; Hector Millspaugh, sec'y.

Dec. 27-30.—Galena, Ill. Galena Poultry Assn. F. H. Shellabarger, judge; F. J. Hoelting, sec'y.

Dec. 28-31.—Ypsilanti, Mich. Ypsilanti Poultry Association. Sharp Butterfield, judge; W. B. Meanwell, sec'y.

Dec. 28-Jan. 1.—Canton, Ohio. Stark County Fanciers' Assn. D. J. Lambert, poultry judge; Theo. Johnson, pigeon judge; H. J. Mertz, sec'y.

1900.

CHANGE OF DATE.

The Chicago show will be held the last week in January, 1900. The change is wisely made, as conflict with other important shows is thus obviated. The date now named is one convenient to those exhibiters who wish to take in a circuit.

Jan. 1-6.—St. Louis, Mo. St. Louis Fanciers' Assn. Sharp Butterfield, H. A. Bridge, poultry judges; F. W. Gilbert, Geo. Ewald, pigeon judge; John A. Francisco, 1201 Lincoln Trust Bldg., sec'y.

Jan. 2-5.—Woodstock, Vt. Vermont Poultry and Pet Stock Assn. H. A. Nourse, Lloyd M. Hallenbeck, judges; John S. Eaton, sec'y.

Jan. 2-5.—Peabody, Mass. Essex County Poultry Association. Arthur Elliott, sec'y.

Jan. 2-6.—Akron, Ohio. Akron Poultry and Pet Stock Club. J. Y. Bicknell, M. E. Wurts, judges; J. Asa Palmer, cor. sec'y.

Jan. 2-6.—Georgetown, Ill. Georgetown Poultry Assn. Ben S. Meyers, judge; D. H. Bowen, sec'y.

Jan. 2-6.—Cedar Falls, Ia. Cedar Valley Poultry Assn. Theo. Hewes, judge; H. W. Conrad, sec'y.

Jan. 2-6.—Le Mars, Ia. Plymouth Co. (Iowa) Poultry Assn. F. H. Shellabarger, judge; G. A. C. Clarke, sec'y.

Jan. 2-7.—Winona, Minn. Winona Inter State Poultry Association. D. T. Heimlich, judge; Henry Hess, sec'y.

Jan. 4-9.—Goshen, Ind. Northern Indiana Poultry, Pigeon and Pet Stock Association. Jas. A. Tucker, judge; J. A. Babcock, sec'y.

Jan. 5-9.—Toledo, O. Toledo Fanciers' Assn. Sharp Butterfield, Geo. Ewald, judges; Geo. F. Mueller, 425 Tecumseh st., sec'y.

Jan. 5-11.—Rochester, N. Y. Flower City Poultry and Pigeon Assn. John Drechsler, sec'y.

Jan. 8-12.—Detroit, Mich. Michigan State Poultry and Pigeon Association. Sharp Butterfield, H. A. Bridge, Jas. A. Tucker, judges; John A. Grover, Concord, Mich., sec'y.

Jan. 8-13.—New Albany, Ind. Indiana Poultry Association. B. N. Pierce, D. T. Heimlich, judges; Frank Heck, New Albany, Ind., sec'y.

Jan. 8-13.—Topeka, Kan. Kansas State Poultry Assn. F. H. Shellabarger, judge; J. W. F. Hughes, sec'y.

Jan. 9-11.—Milford, N. H. Milford Poultry and Pet Stock Assn. H. B. May, H. S. Ball, C. A. Ballou, C. S. Flanders, W. B. Atherton, N. A. Knapp, J. F. Watson, H. A. Nourse, judges; E. B. Burns, sec'y.

Jan. 18-22.—Tacoma, Wash. Tacoma Poultry Association. Theo. Hewes, judge; Chas. C. Johns, 402 Berlin Bldg., sec'y.

Jan. 10-12.—Charlotte, N. C. Charlotte Poultry Association. D. J. Lambert, judge; W. M. Barringer, sec'y-treas.

Jan. 11-16.—Dayton, Ohio. Gem City Poultry and Pet Stock Assn. Chas. McClave, judge; Theo. Foulstich, sec'y.

Jan. 15-19.—Princeton, Ill. North Central Illinois Poultry Association. E. W. Brown, A. H. Currier, W. G. Warnock, judges; S. L. Smith, sec'y.

Jan. 15-19.—Belvidere, Ill. Northern Illinois Poultry Association. F. B. Zimmer, Ben S. Meyers, judges; Bert R. Lucas, sec'y.

Jan. 15-20.—Columbia City, Ind. Columbia City Poultry Assn. Chas. McClave, judge; Philip Anthes, sec'y.

Jan. 15-20.—Cedar Rapids, Ia. Western Poultry Fanciers' Assn. D. J. Lambert, J. A. Tucker, G. D. Holden, judges; Chas. H. Playter, sec'y.

Jan. 16-18.—Port Huron, Mich. Port Huron Poultry, Pigeon and Pet Stock Association. H. O. Kilets, sec'y.

Jan. 17-19.—Sharon, Pa. The Fanciers' Club. Sid Conger, poultry judge; H. W. Lacy, dog judge; F. H. Alderman, sec'y.

Jan. 17-20.—Blackwell, Okla. Kay County Poultry Assn. H. B. Savage, judge; Geo. M. Carson, sec'y.

Jan. 17-22.—Boston, Mass. Boston Poultry Association. Arthur R. Sharp, sec'y.

Jan. 17-23.—Kokomo, Ind. North Central Indiana Poultry Assn. B. N. Pierce, poultry judge; Al G. Eberhardt, dog judge; E. E. Sanders, sec'y.

Jan. 20-22.—Colfax, Wash. Whitman Co. Poultry and Pet Stock Assn. O. L. Kennedy, sec'y.

Jan. 22-27.—Louisville, Ky. Kentucky State Poultry Assn. H. A. Bridge, Chas. McClave, judges; Frank G. Hogan, 425 W. Main st., sec'y.

Jan. 22-27.—Chicago, Ill. National Fanciers' Assn. of Chicago. Fred L. Kimmey, Morgan Park, Ill., sec'y.

Jan. 30-Feb. 2.—Carlinville, Ill. Carlinville Poultry Club. D. T. Heimlich, judge; Perry Duckles, sec'y.

B G Smith, Elmira, N. Y., Rose and Single-comb White Leghorns and White Wyandottes.

Jan. 30-Feb. 2.—New York, N. Y. New York Poultry, Pigeon and Pet Stock Association. H. V. Crawford, Montclair, N. J., sec'y.

TWO-HUNDRED EGG HEN.

How can we produce hens that will lay 200 eggs per annum? By scientific breeding, as for a good butter cow or a cow milker, as for a good trotter or high jumping horse. Experiments have been made to increase the number of rows of corn on the cob with success. The same method is applicable to poultry breeding. We will start with a hen that lays 120 eggs. Some of her chicks will lay 150 eggs per year. From these we will pick out layers, and so on until 200 or better are the result. At the same time, it is just as essential to breed out of males from prolific layers as it is the females—in fact, it is more so. If we look after the breeding of the females only we will introduce on the male side blood which is lacking in proficiency, and thus check every attempt at progress. It is just as essential that the male should be from the hen which lays 175 eggs and a male that was bred from a hen that laid 150 eggs as it is that the hen should be from one that laid 175 eggs and be from one whose mother laid 150 eggs.—*Poultry Herald.*

FROM J. D. NEVIUS.

We quote from a letter received from Mr. Nevius the following, which contains items that will be appreciated by the many friends he has among A. P. J. readers:

Philadelphia, Pa., Aug. 15, 1899.

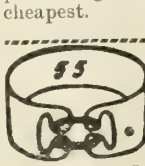
Editor American Poultry Journal—

DEAR SIR:—We have been quite successful this year with chicks and have a good number of each of our varieties that give promise of being by far the best we have ever bred. Hope you will be able to be with us during our show Nov. 28 to Dec. 2, which bids fair to be a very large one. Our entry fees will be on poultry and pigeons, $2 each bird, and prizes $5 and $2. All premiums will be paid before the close of the show, there being enough cash now in the treasury to insure this. Wishing you every success. Yours very truly.

J. D. NEVIUS.

T. F. Rigg received an order recently from Montevideo, Uruguay, South America, for some of his celebrated Houdan chickens. Mr. Rigg has previously had orders from Canada, Old Mexico, Nicauraugua and Central America. He is a firm believer in the efficacy of printers' ink as a business producer and advertises extensively in the poultry journals of the west .—*Iowa Falls, Ia., Sentinel.*

We wish to call attention to the ad in another column of the Cleveland Poultry Company of Plattsburgh, N. Y., who state that their trade in clover, grit and shells the past year shows an increase of twenty-two times the amount of last year's orders. Poultrymen evidently appreciate good goods. The best are the cheapest.



Peerless Leg Bands. Poultry Printing.

Circulars and sample leg band free. Get my prices on *up-to-date* printing. "Peerless" Leg Bands *stay on* and *stay bright.* They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed,

B. F. HUNTINGTON, Platteville, Wis

MRS. J. G. LEMBKE.

The above portrait is one of Mrs. J. G. Lembke of Griswold, Ia., who has an equal interest in the business of Mr. Lembke and contributes in a large degree to the success that has come to them in the poultry business. They will move into their new home soon in Griswold and are closing out all their surplus stock at a low figure in order to make the change conveniently. The Lembke stock has long been advertised in A. P. J., and we take pleasure in publishing the portrait of the second member of this concern.

INDIANA BUFF PLYMOUTH ROCK CLUB.

Campbellsburg, Ind., Aug. 14, 1899.
Editor American Poultry Journal—

DEAR SIR:—A meeting of the Indiana Buff Rock Club, will be held at Indianapolis during the State Fair. Arrangements have been made for the meeting to be held in the Auditorium at 2 p. m., Thursday, Sept. 21. This meeting is called for the purpose of perfecting our organization. We want every reputable breeder and fancier of Buff Rocks in Indiana to become a member of our club and they will find it to their interest to do so. The membership fee is only one dollar, and all applicants accepted up to and including Sept. 21 will be considered charter members. Respectfully,

J. C. BROWN, Secretary.

AMERICAN BUFF PLYMOUTH ROCK CLUB.

To the Breeders and Fanciers of Buff Rocks:

As your thoughts turn toward the shows, the premiums that you are going to win in competition, have you thought as to whether you are eligible to compete for those specials, open to the members of the Buff Rock Club only? If not, after you have heard as to what they will be, you will ask yourself, "Why did I not join in time, if for no other reason than to be able to compete for these?"

Therefore, I herewith extend a hearty invitation to all fanciers and breeders who are not members of the club, to join. The dues and fee are $1 each. Dues payable in advance the first of every October.

The club offers a silver cup to each state having ten or more members. The members of that state only are allowed to compete for the cup. The majority decide at which show it will be contested for. A number states are already entitled to cups and several more lack only a few, so you had better join at once and help your state along. Our membership list contains the names of nearly two hundred members and includes the majority of prominent breeders in the country.

The club will issue a catalogue the coming winter, which will be in keeping with our excellent efforts in the past. We still have a number of copies of our last one, which I will be pleased to send upon request.

The time and place for the annual meeting has not yet been decided on. Several associations have offered liberal inducements for the meeting and others are to be heard from. So let every breeder who has the welfare of our variety at heart and who is not a member, join at once that he may vote on this and other questions of importance.

I will gladly answer any questions in regard to Buffs or the club. Yours fraternally,

W. S. DENNY,
Secretary.

JACKSON POULTRY FANCIERS' ASSOCIATION.

Jackson, Mich., July 31, 1899.
Editor American Poultry Journal—

DEAR SIR:—Our show dates are Dec. 18 to 22. I. K. Felch judge and yours truly secretary. Our association is in a fair way to prosperity. We have a goodly list of members and at each meeting take in new ones. Our show promises to be one of the "best."

On a whole in this vicinity, hatches were poor but stock is maturing well, although many breeders of Asiatics feel that their birds will be a little under size and weight for the early shows, due principally to the backward spring in this section. But taking us on a whole we are well satisfied with our season's work. We note with pleasure that Cedar Rapids, Iowa, will be the place for the next meet of the A. P. A. Allow us through your columns to congratulate the Cedar Rapids Association and wish them unlimited success. We sincerely regret that they are so far away we cannot attend the meet.

Wishing the American Poultry Journal all kinds of good luck and will say with highest anticipation we each month eagerly watch for its appearance. I beg to remain your obedient servant

W. H. EATON,
Secretary J. P. F. Association.

CLINTON POULTRY ASSOCIATION.

E. G. Burdett, Secretary of the Clinton, Mass., Poultry Association, writes that the show to be held December 5-8, 1899, promises very nicely. The preliminary work is progressing and the show promises to be one of the largest ever given in New England outside of Boston. There will be a large list of special cash premiums. In addition to the regular exhibits there will be exhibits of cats, pheasants and a full line of poultry supplies and an exhibit of eggs and dressed poultry. As a special attraction Mr. Burdett will show his twin Buff Brahma chicks, Duke and Duchess. These chicks were fed on malted milk and brandy and raised by hand. They were not able to stand on their feet for over ten days. They now run with the other chicks but will not stay near them. They are great pets. The chicks will not separate over two or three feet from each other. At two weeks old they weighed together two pounds and nine ounces, and although small for their age they are both strong and healthy. Mr. Burdett verifies the fact of their birth by witnesses who saw him take them from the egg as they were fast to the shell and could not get out. If they remain healthy he will exhibit them at different shows as an attraction.

G. H. French of Clinton, Mass., is the President of the association and the judges engaged for the show are Hawkins, May, Schley, Bumford and Atherton.

MARSHALLTOWN POULTRY ASSOCIATION.

Marshalltown, Iowa, July 29, 1899.
Editor American Poultry Journal—

DEAR SIR:—The Marshalltown Poultry Association has elected the following officers: E. Lee, President; M. F. Gord, Vice President; H. C. Hansen, Secretary; W. H. Mathews, Treasurer; H. W. Ball, Superintendent. Executive committee: E. J. Rob, L. L. Conner and E. T. Barker.

The show dates are Dec. 26 to 29, 1899, and W. S. Russell has been selected as judge.

AMERICAN HOUDAN CLUB MEETINGS, 1900.

The American Houdan Club, one of the strongest of the specialty clubs, will see to it that "the immigrant from France" is much in evidence at the leading exhibitions during the coming show season.

Boston, Jan. 17, 1900.—The third annual meeting of the club will be held at Boston, Jan. 17, 1900. It has been resolved to make this the most important and largest gathering of Houdans and Houdan breeders ever held in America.

Chicago, Jan. 24, 1900.—The club will also make a special display of Houdans at the Chicago show, Jan. 22-27, 1900. On Jan. 24 a meeting of club members will be held.

Mr. Thos. F. Rigg, the club's secretary-treasurer, will place the Houdan awards both at Boston and Chicago.

FRANK W. MCKENZIE,
President.

BARGAINS IN INCUBATORS.

It is well known to the readers of the newspapers that prices generally have been advancing steadily here of late, including those for labor, lumber and metals of all kinds. As a result the prices of all manufactured articles must soon follow suit, including the prices of incubators and brooders. This simply cannot be helped; there is no way of getting around it. The Cyphers Incubator Company, Wayland, N. Y., therefore hereby give notice to interested persons that so soon as their new catalogue and price list for 1899-1900 is issued, which will be about Nov. 1 to 15, the prices of their incubators and brooders will be increased fully 20 per cent. All who think favorably of buying a strictly first-class incubator this fall or next winter will find it much to their advantage to immediately correspond with the Cyphers Company in order to obtain what is wanted at the present low prices. The fact is that the Cyphers Company is in a position, *just now*, to save a limited number of customers from $7 to $18 net cash on single orders for incubators and brooders, depending on the size of the machines bought. For full particulars address the Cyphers Incubator Company, Box 5, Wayland, N. Y.

UNDERSIZED EGGS.

When pullets commence laying their eggs may be quite small at first, but they will increase in size until the fowls are a year old or more. The eggs should then be as large as the regular size laid by the same breed of fowls. "Why is it," a friend asks, "that my Langshan hens lay so small eggs?" She showed me some of the eggs and I asked if they all laid eggs as small. She said they were all the same. We have sometimes noticed that when a hen is out of condition she lays a small egg but this state of affairs should not continue. The Langshan hen usually lays a nice large egg. We know this to be a fact from having some that we keep for sitters. We have owned several nice pens of this variety, selling off all but a few hens and we never noticed a small egg laid by them. Inbreeding, as practiced by some, will cause the stock as well as the eggs to grow smaller.

To have fine large birds that lay good-sized eggs, the best and largest specimens should be selected. The lady who has the Black Langshans bought a sitting of eggs from some one, who in turn, had bought eggs from closely inbred stock. It would have been better to have bought a male bird two years old to mate with these pullets. There are many who do not like to spend the extra money a new male costs, but from the great number of male birds sold each season it is evidence there are those who know the value of breeding their stock right. The experienced fancier understands how to breed his stock, but those who do not are apt to cry down a breed when the fault is with them or the one who sold them the stock. The owner of the Black Langshans was going to dispose of the variety and get Barred Plymouth Rocks. She had bargained for some Barred Rocks from another breeder who bought a sitting of eggs last June a year ago. These Barred Rocks laid well during the winter and at the time I saw them were not very large. As the stock was composed of brothers and sisters (as were the Langshan), I doubt that they will prove satisfactory.

The large breeds, such as Plymouth Rocks or Langshans, if used as breeding stock, should be hatched as early as possible, and it will be well to have them one year old before setting their eggs. Usually we know the laying qualities of a bird before we breed from her. It seems to be easier to breed defects than perfection, in fact no one has yet gained perfection with his birds, but some breeds are so defective that they can hardly be recognized, and to call them a Leghorn, Langshan or Plymouth Rock, seems almost out of place. Breeding from undersized culls hurts the cause and spoils the looks of what might be much better. To start right and keep right means all the success there is in it. There are hens that only lay 50 eggs a year, and small ones at that. The hen that lays 75 eggs a year is a little better, but what profit is there in either of these birds? It costs no more to keep a hen that will lay 150, 200 or more eggs. By careful selection a breeder can have birds that have improved in their laying qualities as they have in other respects. It is not a hard matter for a good judge to select the laying hens from those that do not lay, and since patent pedigreed nest boxes are so easily obtained there should be no chance for deception on the part of the hen or pullet that lays in them.—*Cora A. Rickards in Reliable Poultry Journal.*

FLEGEL'S WHITE WYANDOTTES.

THE WYANDOTTE.

That the Wyandotte is gaining in favor each year is a well known fact, and there is surely some cause for this popularity. In this short article we will try to give a short history of the origin of this breed of fowls, and show some of their good qualities. It would take more time than we can devote to this to give a description of each variety for they are many. It is not our intention to trace breed through all the vicissitudes of its growth to popular favor, but to notice the earliest of the efforts made to produce a distinct breed of this class of fowls, of which we have any knowledge. The Silver Wyandotte being the original stock from which all other varieties have originated from a cross of the Sebright Bantams. With the Cochin about the year 1867 or 1868 the result of this cross was to add a new variety to this cross which was the Sebright-Cochin.

As near as I can learn we are indebted to the clergy for the origination of this great breed (the Wyandotte). I think it was in 1870 that a Rev. Mr. Baker and Rev. Mr. Benson began developing the Sebright-Cochin cross into the Wyandotte and it was more than ten years before they and others who were working to attain the same ends were able to secure the admission of the Wyandotte to the standard.

From the best obtainable information we find the Wyandotte originated from the results of a cross of the Silver Spangled Hamburg with the Cochin and Brahma crossed with the Sebright-Cochin. By reference to the standard we find the result of this cross was admitted under the name of Wyandotte in 1883. Thus we have the origin of the WYANDOTTE. The Golden Wyandotte is the result of a cross of the Silver with the Winnebago Fowl and this variety stands high in the estimation of those who know them. They are indeed a beautiful fowl and rank high with all lovers of the beautiful. The White and Black varieties of this great brand are sports from the Silver and the White is steadily distancing all competitors in the race for popularity.

In 1872 Mr. George H. Towel of New York hatched several pure White Sports from his Silver Wyandottes and continued breeding and perfecting them for fourteen or fifteen years. The characteristics are the same as the silvers, which, coupled with their pure white plumage renders them an object of beauty and popularity second to none. From the standpoint of utility they have no superiors, being excellent winter layers. Early to mature into broilers, which are the more desirable by reason of the absence of the black pin feathers. And as a market fowl there are no better, in fact they seem to meet the demand of a general utility bird better than any other and for this reason they have grown in the estimation of both the fancier and market poultry man until they have reached the head of their class and from present appearances they will hold their position against all comers for years to come.

As layers they are excellent for a March or early April hatched pullet, will lay by November, and if given the proper care and attention to feed and housings will continue through the cold winter months when the lighter breeds are doing but little laying or none at all.

As broilers there are nothing better and if a fine plump White Wyandotte chick six weeks old is split and broiled and served nicely, the person to whom it is served will have a dish that is not the common lot of man to enjoy. As a beauty bird we think there is nothing more beautiful than such a flock as is shown in the cut above when on a fine green run.

From the remarks we have heard passed regarding this pen of birds when in good feather it shows that we are not alone in our estimation of the beautiful.

Every hen in the pen is snow white in color and though the cockerel looks stilty in the cut, is not so when standing in his natural position.

The photo was taken under adverse circumstances and the operator did not get them all on the plate, but it shows them all in their natural position, excepting the cockerel, he standing at "attention," ready for a chance to run.

We have taken up this variety after an experience with fancy poultry dating from 1881 and firmly believe the popularity of it will continue to grow with the public as its good qualities are brought to a higher degree of perfection and the poultry men at large become the better acquainted with their superior excellence.

G. C. FLEGEL.

Westville, Ind.

Cornish Indians, Exclusively.

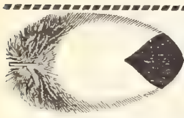
A few fine hens for sale; also young stock after Sept. 1st. 150 to select from.

H. S. MARKS, Box 540, Lanark, Ill.

Silver Laced Wyandottes, Exclusively

Choice stock for sale at all times.

W. L. MILLS, Clear Creek, Ill.



Silver Spangled Hamburgs

that can win at the fairs and early shows. Circular with show record free.

G. G. WHERRY, Galena, O

PARTRIDGE COCHINS—EXCLUSIVELY— At Detroit Show, Jan. 3 to 8, '99, Sharp Butterfield judge, I won 1, 2, 3, 4 cocks, 93¾, 91½, 90½, 90¼; 1, 2, 4 hens, 93½, 92¾, 92¼; 1, 2, 3. 4 ckls., 94, 93, 93, 91½; 1, 2, 3, 4 pullets, 95, 94,¼ 94, 93¾; 1, 2 pens, 189 1-16, 187 1-16. Choice stock for sale.

JOHN C. STELLWAGEN, Wayne, Mich.

IF YOU WANT.

B. P. Rocks, S-c. Brown Leghorns or S-c. White Leghorns, from the leading strains in this country, after Sept. 1st, write me. I will have hundreds of them for sale. Also for Lambert's Death to Lice.

GEO. H. BIE,

Box 100, Station A.. Racine, Wis.

R. B. KINNETT,

BREEDER OF

B. P. Rocks, S-c. B. Leghorns and Buff Cochins.

Central Illinois Poultry Show, 1898, B. N. Pierce, judge: Br. Leghorns—1st and 3d ckl., scores 94, 92½; 1st, 2d and 3d hen, scores 94, 94, 93; 1st, 2d and 3d pullet, scores 94, 94, 94; 1st and 2d breeding pen, scores 188, 185¾. B. P. Rocks, 2d hen, 91½. Buff Cochins, 1st hen 92½. Stock for sale. Eggs $2.50 per 13. ***Chapin, Ill.***

GOLDEN WYANDOTTES, Exclusively.

"The beauty bred." All stock of high merit. Product of our 1898 matings finer than ever. At Illinois State Show 1898 won 1st cockerel, 2d cock, 1st and 3d hen, 3d pullet and 2d pen. At Springfield, Ill., Jan. 1899 won every first prize in the class, including 1st, 3d and 4th pullet. Some choice cockerels for sale; no more females to offer until September. Will furnish settings from three grand matings after March 1 at $2.50 pr. 15.

C. P. NELSON, (Prairie View Farm) **Danville, Ill.**

None Better.

Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.

D. T. HEIMLICH,

Jacksonville, Ill.

Buff P. Rocks.

That have been shown in hot company for the last five years and have every time been WINNERS. These are the original Coin Gold Strain.

EGGS **$2, $2.50 and $3 per sitting.**

Address,

ISRAEL ROOT, Bloomington, Ill.

Highland Poultry and Fruit Farm.

EGGS $2 per 13; $3 per 26, from the best stock in the West. Light Brahmas, Black Langshans, B. P. Rocks, White-crested Black Polish, S-c. Buff Leghorns. Fine illustrated circular for the asking. Stock for sale.

N. SCHWEINFURTH, Jackson, Mich.

BARGAIN SALE.

To make room for young stock I offer the following for sale cheap considering quality: 7 hens, 2 cocks Buff Cochins; 12 hens, 2 cocks American Dominiques; 1 pair White Wyandottes; 6 Houdan hens and 1 Black Langshan cock. Young stock for sale after Sept. 1st. Write me for prices. I have a stamp.

H. D. THOMPSON, Wheeler, N. Y.

COLOR PROBLEMS.

Another hot weather subject, says Henry L. Allen in the *Reliable Poultry Journal*, is the effect, if any, that sun and shade exercise on the color of the chicks. There are those who flatly assert that unless black chicks are raised in yards where they will be well shaded no considerable number of perfectly colored birds can be raised, as purple bars will take the place of the green sheen so desirable. Others assert that without shade white birds are certain to be brassy. As far as the color of white birds is concerned, I know very little, having confined my efforts to produce prize winners for several years to a solid black breed. I have found, too, that it takes a long time to demonstrate the correctness of a theory, and I do not feel like disputing the assertion that a green sheen can only be produced on black birds when they are kept from the sun. At one time I was certain that such was the case, but last season a number of birds raised where little shade was furnished gave me some of the finest colored specimens I have ever had, and caused me to think that perhaps the opinion I had held on this subject might be wrong.

We know that the coloring pigment of flowers is affected by the sunlight, and it seems to be reasonable that in fowls the pigment may be similarly affected. On the other hand, the coloring pigment in animals, such as horses, cattle, dogs and cats, does not seem to be generally affected by sunlight, about the only noticeable effect being the fading of some of the darker colors when exposed to the sunlight for extended periods. The subject is one that can be studied with interest, for color goes a long way when one is trying to produce chicks that will bring home blue ribbons. I am experimenting in this line this summer with a view to demonstrating the actual effect of sunlight and shade on black fowls, and I hope some of the breeders of white fowls will do likewise. History of the experience gained by such experiments cannot fail to be of much interest to breeders generally.

Another phase of the color question that is somewhat puzzling is that which deals with "sports." I have bred black birds for years, and never until this season have I had a white chick hatch. This season I have had two pure white chicks hatch, one of which, however, died when only a few days old. One was hatched from an egg laid by a hen that has never failed to win first wherever shown, with a score of 95½ as a hen. This is the second season I have bred from her and she was mated with the same cock she was mated with last season. The other sport was hatched from an egg laid by a high-scoring pullet entirely unrelated to the hen that laid the other egg, but she was mated with a cockerel that was a son of that hen. The sport promises to be a typical Langshan, and if possible I will get some breeder of White Langshans to experiment with him as a source from which to secure some new blood. Of just what value such an experiment will be I do not pretend to know, but I am of the opinion that a sport of this class mated with a typical Langshan female of the white variety will produce chicks uniformly white in color and give to the breeder a most valuable line of new blood.

This suggestion regarding the use of a sport as a means of securing new blood leads me to speak of an experiment I have been conducting with new blood. I have for years believed that the proper way for the fancier to introduce new blood in his flock was by doing so through a female. By this method I had always met with excellent results, but being of an experimental turn of mind I determined to try a male bird for this purpose. To carry out my plan I finally succeeded in securing a male that in form, color and other characteristics fulfilled my idea of what a typical male of the breed should be, and a year ago he was mated with one hen—a high-scoring prize winning hen of extraordinary merit. The experiment was a success in every sense of the word. From that mating I secured five pullets that scored from 94 to 96 in actual competition and two cockerels that scored 95½ and 93½ respectively.

I do not pretend to say that the average breeder can go out and simply pick up a male of new blood and cross him promiscuously on his females and get a flock of chicks that will be uniform in type. I do believe, however, if the right kind of judgment be used in the selection of a male bird, and then used again in the selection of a single female to mate with him, that there will be no danger whatever in introducing new blood through a male, and that the result will be as satisfactory as it usually is by introducing it through a female. I may be mistaken, but my experiment was so thoroughly satisfactory that I shall follow it up with others on the same line when the occasion arises, and if they do not confirm the opinion I have reached from the success of the first experiment, I shall take pleasure in saying so publicly and telling the reason why. Such experiments and the publication of the results are of the utmost value to fanciers and too many of them cannot be made.

THE GUINEA FOWL.

It is a strange and regretable fact, partly due to ignorance, and partly to caprice and fancy, that the Guinea Fowl is as yet so little appreciated and so seldom met with in the poultry yard. But no doubt this species will have its day, as other varieties of the feathered tribe have, for it fully deserves to be better known, and to be reared by the farmer and amateur, if space will premit.

The Guinea Fowl is a native of Africa; its neat plumage is of a bluish-gray with regular white spots. Its wings are short, its tail inclines downwards, like that of a Partridge, which, joined to some peculiar disposition of the feathers, makes the fowl appear as if humpbacked. From the basis of its bill hang two lappets (wattles) of various form, oval, square or triangular; its color is not a pure bright red, but more or less of a bluish hue. These wattles are more developed in the male than in the female bird just as in other fowls, but none except the Guinea Fowl possess that strange callous growth, a kind of helmet, covered by a dry and wrinkly skin of brown or reddish color, which extends over the back and the sides of the head, sloping down at the place of the eyes. This growth has been compared in shape with the ducal Venetian hat.

The one drawback in keeping these otherwise valuable birds is, that even in domestication they cannot quite shake off their natural wild habits. They are saucy, quarrelsome, daring creatures,

and will boldly face an enemy much stronger than themselves; they will attack and make themselves respected even by the turkey.

If kept in close vicinity to the dwelling house their discordant cry, provoked by every unusual noise and every change in atmosphere, may at times be trying to the musical ear. But we have in rural life to put up with many quite as unpleasant vocal exercises of the creatures around us, so that it would scarcely be fair to banish this useful fowl for the sake of its voice, which, at any rate, is not of its own making.

The Guinea Fowl likes to roll and bury itself in the dust, in the same way as the common fowl, ridding itself thus of parasites, and it loves to wander abroad, and to scratch the ground for worms, larvæs and similar dainties. Although its wings are so short that it does not seem to be intended for flying, it is extremely fond of perching on trees and the roofs of sheds, and is only brought by necessity to roost in the fowl-house. It also requires some management to induce the birds to lay their eggs in the nest provided for their use, for if left to roam over fields and meadows they will try to lay and to hide the eggs in the high grass or corn, or better still in a hedge or wood. The Guinea Fowl has the reputation of being rather an unreliable sitter, yet if a really quiet retired spot could be given to the broody hen, so that no worries and annoyances caused by her enforced companions were to interfere with her important business, she would in all probability acquit herself sufficiently well of her maternal dutis. Where space is limited it will, however, be more advisable to entrust the eggs to a common hen, or better still to a turkey, where these are kept.

The eggs of the Guinea Fowl do not excel in size; on the contrary, they are somewhat small, but their flavor is excellent. The time of incubation varies from twenty-eight to thirty days, according to the temperature and climate. The chicks begin to walk and eat alone as soon as they are hatched and thoroughly dry. Their first food ought to consist of hard-boiled eggs, chopped small, bread crumbs, chopped lettuce, onion tops, or other green stuff; in a day or two it is well to vary their repasts by millet, a little hemp and canary seed, worms, ants, eggs or other animal food. Great care should be taken to guard the little birds from cold winds and rains. They should not be allowed to run in the grass wet with dew until they are covered with feathers. They generally make rapid growth, for, as a rule, they come late in the season, when the weather is favorable to their development, and most of the perils to which they are exposed in the beginning are surmounted when they are five or six weeks old. They ought then to be robust enough to require no particular care, but to share the shelter and food of the other fowls, and in every way to take their chance amongst them. They will thrive on every kind of corn, wheat, buckwheat, maize, barley and oats, boiled potatoes, house scraps and green stuffs, and they require no cramming or caponizing, but acquire all desirable plumpness by good feeding in the ordinary way. Their flesh, as all flesh of high-class game, does not want to be enveloped in excessive fat in order to please the eye, but will be as delicious as that of a Pheasant at the age of eight to ten months if allowed to hang for a few days to develop its savorous flavor. If eaten quite fresh it loses a great part of its gastronomic virtues, and is no better than vulgar game.—*A. B. in Poultry, England.*

SINGLE MATING.

Has it been demonstrated yet, that the single mating system is not practically as well as theoretically correct? As the matter seems to stand at present, the majority of fanciers of parti-colored varieties make two matings, one to produce their show cockerels and another to produce their show pullets, and this system is termed the double mating system. There is a minority class, however, who claim they can produce show cockerels and pullets from a single mating and that two matings are not necessary. There is no doubt but that the single mating idea, as a theory is correct, but there seems to be a very strong doubt in th minds of most fanciers as to its success when put in practice, notwithstanding the assertions made by those who claim to practice it with success. We would consider a single mating to be one in which the females were of the same character and type as regards color and shape, and such color and shape to be in accord with the demands of the standard, and these females mated to a male bird that was standard in shape and color, and if from such a mating could be produced the best quality of show birds of each sex, then such a mating could be called a practical one, and those advocating single matings firm in their position, but if in so-called single matings were used females that were of different color and others not, then such a mating would not be a single mating in the true sense, but practically a double mating and birds from such a mating could not be used as an illustration of the workings of the single mating system. It is the chicks produced from a mating of male and single female that will test the matter, and when any fancier can show the highest quality of show birds in both cockerels and pullets from such a mating, for a few seasons in succession, then will we have faith in the single mating system, and believe it to be more than a theory, but so far the experience of the majority of fanciers seems to point the other way.—*Poultry Herald.*

A. P. J. APPRECIATED FOR THE GOOD WORK IT HAS DONE.

Griswold, Iowa, July 31, 1899.

Editor American Poultry Journal—

DEAR SIR:—I wish to express my satisfaction with your publication as an advertising paper and poultry journal, and am doing all in my power to make the good work go on. Just think of the amount of money that is lost every year by poultry breeders who do not carry an ad in an up-to-date poultry paper, such as I consider the A. P. J.—first-class in every respect. Yours for business,

J. G. LEMBKE.

O. L. King of Walnut Grove, Ill., writes that his young stock is growing nicely and he has something over one thousand. Mr. King says that the outlook for business is good and he anticipates a good trade for this fall and winter in his Barred Rocks.

A. P. J. acknowledges receipt of the complimentary tickets to the Winnebago County Agricultural Show of Rockford, Ill.

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All our grand breeding stock in Buff Leghorns—many winners in hotte t competition, with scores from 90 to 93½: 2 cocks, 90, 91; 20 hens and pullets. ***Must have room.*** 100 grandest young Leghorns we ever raised, must go cheap. Write for prices. We nearly give them away now. Don't miss such a bargain.

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FOR SALE—13 Buff Orpington chicks, 100 White Wyandottes, 25 Partridge Wyandottes. D. Mullen, Indiana, Pa. 9-3

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FOR SALE—At $1 a pair—A fine lot of Pouters, Fantails, Jacobins, Tumblers, Homers, etc. Overstocked and must have room. F. P. Fergason, 415 Hickory st., Owosso, Mich. 7-3

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Lee's Lice Killer sales are increasing 40 to 50 per cent per year. It is on sale in every state in the Union, and in Canada. It is so simple to use, so certain in effect, that one who has used it will never go back to old methods of dusting and dipping. Simply painted on roosts, it kills body-lice on fowls as well as mites, lice, bed-bugs, etc., that infest the roosting-places.

Try it. Your dealer can supply you. 1 quart, 30 cents; ½ gallon, 50 cents; 1 gallon, 75 cents.

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"ATTENTION, BREEDERS."

The Kentucky State Poultry Association was organized to advance the poultry interest and hold annual exhibits at Louisville. The Louisville Poultry show each year attracts a large number of visitors, a great number of whom have never seen a fine display of thoroughbred poultry, and they become interested and have what is commonly called the "Chicken Fever." A great many of these become purchasers and in this way greatly increase the sale annually of thoroughbred poultry. No pecuniary benefit is derived by the management of the association; their only object being to build up the poultry industry. To get a fine lot of exhibits it seems necessary to offer a good list of premiums. If you do not feel justified in offering cash specials, will you not make a donation of stock or eggs? The poultry breeders throughout the state derive the direct benefit of these annual shows, and should respond liberally to the suport of the association.

We hope to have the best premium list and finest show ever given by the association, and trust that we may have an early reply and donation from you.

Yours truly,
FRANK G. HOGAN,
Sec'y K. S. P. Ass'n.

PALMYRA POULTRY CLUB.

Palmyra, Ill., Aug. 10, 1899.

Editor American Poultry Journal—

DEAR SIR:—The Seventh Annual Show of the Palmyra Poultry Club will be held on December 20 to the 26th inclusive this year and you can say to the many readers of the American Poultry Journal and our friends that since our last year's show we have been making constant effort and long strides toward making this our greatest show. For its size Palmyra is known throughout the country as being the poultry town of the state of Illinois, and our club is now incorporated under the laws of the state of Illinois, thus insuring the patrons of our shows that we mean business. Palmyra is taking more genuine interest in poultry this year than ever before, and this alone insures the success of our show. We gaurantee every premium to be paid in full, and we have no favorites; if you have the best bird, you get the best premium. To the many breeders in Illinois and other states we extend a cordial welcome to come to Palmyra with your birds, be with us, see what we have, let us see what you have, and get your birds scored by one of the best judges in the United States—Theo. Hewes. We have good railroad and express facilities and we take pride in caring for birds sent to our show whether the owner accompanies them or not. Come and bring your birds. Write for our catalogue, which will soon be ready. Address,

SCOTT ETTER, Sec'y,
Palmyra, Ill.

CEDAR VALLEY POULTRY ASSOCIATION.

Cedar Falls, Iowa, Aug. 10, 1899.

Editor American Poultry Journal—

DEAR SIR:—The third annual exhibition of the Cedar Valley Poultry Association will be held at Cedar Falls, Ia., Jan. 2 to 6, 1900. Judge Theo. Hewes, of Trenton, Mo., has again been engaged to place the awards. Our Association now has a membership of 75, with the following officers in control: President, Joseph Bancroft; vice-president, Ed. H. Wilson; secretary, H. W. Conrad; treasurer, C. M. Lawrence; superintendent, Geo. H. Hughes.

Both officers and members are putting forth every effort to make this our most successful show, and breeders and exhibiters are invited to co-operate with us that we may be mutually benefited. Any information in repard to premium list, specials or advertising rates will be cheerfully furnished by the secretary.

H. W. CONRAD.

Cedar Falls, Ia.

BEAUTIFUL SEA SHELLS.

Every one admires them. Since coming north I have received numerous inquiries from people for sea shells, and now I am prepared to answer yes. I can send you shells, for I have made quite a collection of lovely shells, both from the coast, the coral reefs, and some beautiful ones from the West India Islands. I will mail a dozen or more different kinds, no two alike, to any one who sends a stamp for postage.

MRS. F. A. WARNER,
Pontiac, Mich.

Potomac, Ill., Aug. 10, 1899.

Editor American Poultry Journal—

DEAR SIR:—I have had a very nice trade the past season. Have shipped stock and eggs to many states and two shipments to Canada. I have the finest W. P. Rocks, G. S. Bantams and W. H. Turkeys I ever raised. Success to A. P. J.

A. Z. COPELAND.

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Sold on its Merits---Perfectly Safe to Use.

Every Can Guaranteed to do as Represented or Money Refunded.

Rice's Lice Paint is a wholesale Lice and Vermin Destroyer. Saves Time, Saves Expencse, Saves Labor. No Dipping. No Dusiing. No Greasing. Does not injure the fowl or mar the plumage in the slightest. Quickly applied and absolutely certain to kill every species of parasites that prey upon Poultry and Live Stock.

BEWARE OF IMITATIONS.

There are a dozen or more liquid lice killers on the market. Some are made of carbolic acid, others of petroleum, but none contain sufficient Naphthaline to kill Red Lice, Chiggers or Bed Bugs. Try them and see if we do not speak the truth.

DIRECTIONS.

To apply RICE'S LICE PAINT requires no special directions. All that is necessary to kill all the lice in a very large fowl house is to spray, sprinkle or paint the floor, roosts, nests and dropping boards with the paint. Use whichever method suits your convenience.

If there are no dropping boards under the roosts, bett r nail up a board temporarily, eight or ten inches wide, under each roost; paint or sprinkle this just at evening, and in the morning you will find it covered with dead lice.

TESTIMONIALS.

Rice's Lice Paint killed all the lice in short order. ELLA MORSE, Cleveland, Ohio.

Have used R. L P. two seasons. Cheapest and best l'ce killer I ever used.
GEO. L. SMITH, Canton, Ohio.

Used a little over half a gallon of Rice's Lice Paint. Killed lice by the millions. Am more than satisfied with it.
E. S. WHIPPLE, Glenwood, Iowa.

Thought my fowls were free from lice, but killed thousands of them in one night. R. L. P. is easy to use, sure to kill, and dirt cheap.
B. JENKS, Evanston, Ill.

Send for Special Circular, describing RICE'S LICE PAINT. Buy of your nearest agent. If there is no agent in your town, write us for wholesale prices and take the agency yourself.

R. L. P. is equally good for Pigons, House Plants, Cattle and Hogs.

PRICES—Half Gallon Cans, each 50 cents; Gallon Cans, each 75 cents; Five Gallon Cans, each $3.

MANUFACTURED ONLY BY

F. S. BURCH & CO., 178 MICHIGAN STREET, CHICAGO.

REMEMBER that Spring Run Poultry Yards of Dr. W. A. Crum & L. A. Logsdon, Carey, O., have as fine lot of young chicks and geese in W. & Buff P. Rocks, W., S. & Buff Wyandottes and T. & E. geese as can be found in U. S. All bred from their famous winners, ready for shipment any time. 150 yearling breeders at $1 per head. Send for catalogue, mention A.P.J.

Two For 75c

We will send

Reliable Poultry Journal

and

American Poultry Journal,

both one year for 75 cents. The regular price of each is 50 cents and you save money by sending us your subscription.

American Poultry Journal,

Chicago,

Illinois.

U. S. A.

AKRON POULTRY AND PET STOCK CLUB.

Akron, Ohio, July 27, 1899.

Editor American Poultry Journal—

DEAR SIR:—The Akron Poultry and Pet Stock Club propose to give the best poultry show to be held in northern Ohio this coming winter, and will spare no pains to achieve this result. As you will notice by a perusal of our officers and members of our executive committee, we have some old and enthusiastic breeders, and everybody is pulling to make this show a grand success. Our president, Mr. J. W. Lyder, is also president of the American White Minorca Club; R. F. Palmer, one of our members, is also a director of the American Black Minorca Club; Julius Frank, the Hamburg man, is known from one end of the country to another, for he has exhibited at all of the leading shows in this country and Canada for many years and always came away with his full share of prizes; Robert Mairet is also well and favorably known to the breeders of Black Minorcas; Samuel J. Hibbs, aside from being an extensive breeder of B. P. Rocks is also a pigeon enthusiast, and has raised some of the best homers in the West. He will see that the pigeon fanciers are well taken care of. Arrangements are now being made to have a series of three flys for a silver cup, which is to become the property of the one winning it, two out of the three flys.

We have secured the services of J. Y. Bicknell, of Buffalo, and M. E. Wurts, the noted Barred Rock specialist, to judge our show, which is a guarantee that work in this line will be well and efficiently done and that exhibitors will have an opportunity to hang up their ribbons on schedule time. We also wish to announce that we will positively pay all premiums offered on the last day of the show, thus removing one cause of annoyance to exhibitors. We are also going to offer a fine line of specials and fanciers will do well to carefully consider the Akron Poultry and Pet Stock Club in making up their lists for the coming winter. Our dates are January 2 to 6 inclusive, and we are preparing for the largest and best poultry show to be held in the state this coming winter. Very truly yours,

J. ASA PALMER, Cor. Sec'y.

MILWAUKEE FEATHERED STOCK ASSOCIATION.

The Milwaukee Feathered Stock Association show for the coming winter, Dec. 20 to 26, is on good footing and moving along lively. They have Sharp Butterfield to judge the poultry and water fowls and George Ewald to judge the pigeons. Both superintendents have been appointed, they being Emil G. Raasch, a breeder of winners wherever shown in the Cochin Bantams and Buff Cochins, has charge of the Poultry Department and William D. Harper, a breeder of fine Oriental Frills, Homers and Cochin Bantams, has charge of the pigeon department. Both of these men are well placed, as they are well posted in this line. The prizes are to be ribbons, about a foot long, neatly gotten up and will be highly valued by any one winning them. There is also to be a large string of cash specials of fair size, and well placed so as to please all of the exhibitors. The specials promise fair to exceed other shows' regular cash prizes, and all prizes are guaranteed. The club has sixty-eight members and they are all hustlers from the word go. Anyone desiring premium list can have same after November 1 by addressing

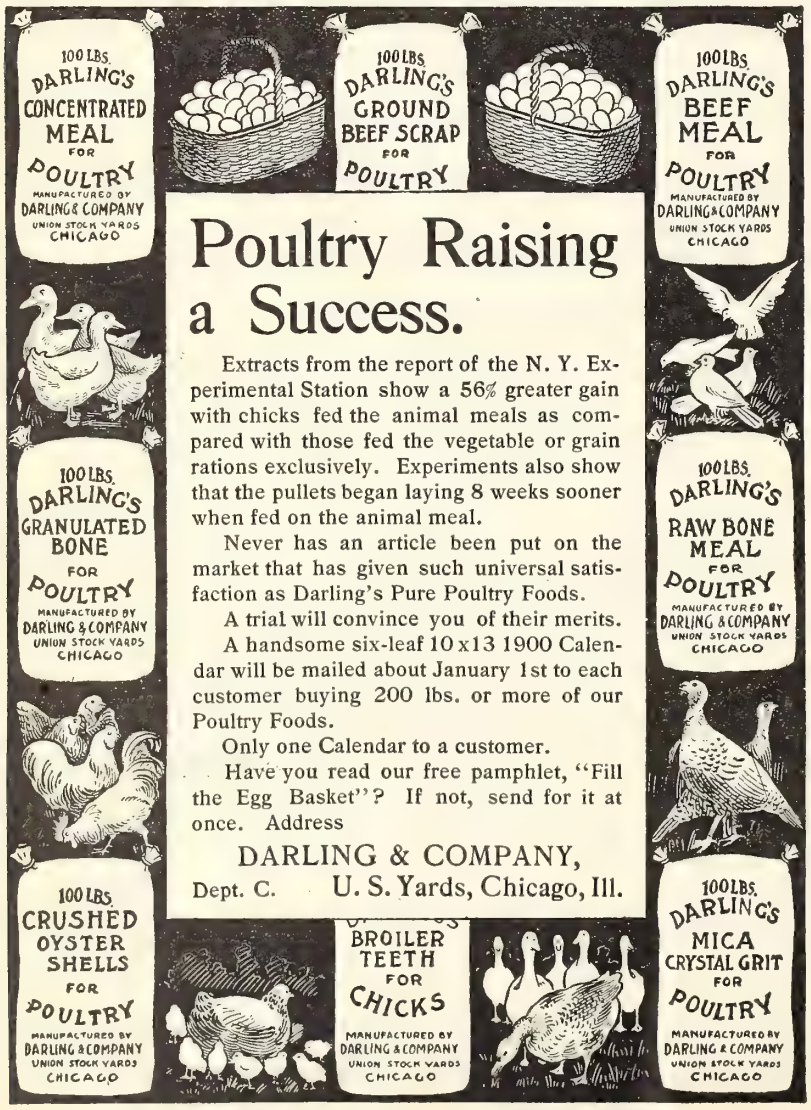
JOHN H. PAGEL, Corresponding Secretary, Box 57, Station D.

STARK COUNTY FANCIERS' ASSOCIATION.

Editor American Poultry Journal—

DEAR SIR:—Other Ohio towns may claim to give the best and biggest show, but Canton does it. This winter as in the past Canton will give a show that will eclipse all others. Last winter the show given at Canton, O., was the best given in Ohio, bar none, in point of entries and competition in the prominent classes. This winter the Stark County Fanciers' Association will give another show in Canton, commencing Dec. 28, 1899, and ending Jan. 1, 1900. This coming show already promises to eclipse that of last winter. D. J. Lambert, of Apponaug, R. I., will judge the poultry, while Theo. Johnson, of Silver Creek, N. Y., will pass on the pigeons and pet stock. The score card will be used and no expense will be spared in giving all a pleasant and profitable time. Fanciers who are looking for a place to show their birds in hot competition cannot afford to miss Canton. Write for premium list, advertising space and rates therein. Very respectfully,

HERMAN J. MERTZ, Sec.



500 Fine Breeders for Sale from our Yards.

Bronze Turkeys, Barred and White Plymouth Rocks, White and Silver Wyandottes, Brown and White Leghorns.

FROM 40 SELECTED BREEDING PENS. Large, Vigorous, Finely Marked. Sure to Improve your Stock. 25 Years' Experience in Mating and Breeding. Eggs for Sale at all Times. Pairs, Trios and Pens Mated for best Results. Valuable ILLUSTRATED CIRCULAR Showing Matings, Prices, Plans for Poultry House and Yards Sent Free. Jersey Cattle, of the highest breeding for sale. "MISS COLUMBIA," Weight 50 Lbs. at 9 mo.

Address F. M. MUNCER, De Kalb, Illinois.

23 Years a Breeder

....of Prize Winning....

B. P. ROCKS.

A few cockerels and pullets to sell. Eggs from nine grand matings at $2 to $4 per 13. Circular free. Mention this journal.

JOE FARMER, Flushing, Ohio.

Poultry for Profit, Pleasure or Show.

I have them as big as they grow, all breeds, for all purposes; rare birds a specialty; Turkeys, Geese, Ducks, Guineas, Peafowls, Pheasants, Pigeons and pet stock; Flemish, Giant and Belgan Hares; Jersey Cattle, Berkshire and Yorkshire Swine, Shropshire Sheep. Satisfaction guaranteed. Prices reasonable. Eggs at all times very low. Mention JOURNAL.

W. A. HOYT, Whitewater, Wis.

Black Langshans, White Rocks,

and Belgian Hares.

A fine lot of young stock will be ready for the early shows.

A. S. PARSON,
Garden City, Kas.

Special Fall Circular Now Ready.

BUFF COCHINS—I am prepared to furnish heavily feathered youngsters of the correct shape and **SOLID BUFF** throughout.

BUFF PLYMOUTH ROCKS—**Nugget Strain.**

EXHIBITION COOPS, LEG BANDS, HANCHETT'S FOWL CATCHER—Patented; price, postpaid, 20c.

LIQUID LICE KILLER 50c per gallon, delivered. I want every A. P. J. reader to have my circular. Simply drop me a card. This means **YOU.** H. N. HANCHETT, Jackson, Mich.

KEEP POSTED
Every Week

THE best fanciers, breeders and exhibitors of fine poultry subscribe to and advertise in ***The American Fancier.*** It is the only exclusive *weekly* paper of its kind that gives all the Reports and News of the Shows. Circulation world-wide. **Over 1,000 Big Pages a Year.** The only poultry paper having a complete printing plant exclusively devoted to it. It is conducted and edited by **J. H. Drevenstedt.** Subscription price one dollar a year. Less than two cents a week. Single copies five cents.

Special Midsummer Offer

To readers of American Poultry Journa who are not now subscribers of ***The American Fancier*** we will send the latter one year for

50 Cents.

This offer is good until September 15 only. Address

The American Fancier,
Johnstown, N. Y.

Mention American Poultry Journal when answering this ad.

By Reading
THE AMERICAN FANCIER

CENTRAL EASTERN ILLINOIS POULTRY ASSOCIATION.

Paxton, Ill., Aug. 2, 1899.

Editor American Poultry Journal—

DEAR SIR:—The prospects for the Second Annual Exhibition of the Eastern Central Illinois Poultry Association are flattering. The show will be held Dec. 19 to 22, 1899. I. N. Barker, judge. Catalogues will be ready for distribution about October 15. Any one wishing a catalogue will address E. P. Pitney, Sec'y, Paxton, Ill., and it will be cheerfully sent. There will also be a meeting of the directors September 1, 1899.

This association is now an amalgamation of three associations, namely Paxton Hoopeston and Sibley, three cities in eastern Illinois, who will combine to make this a big show, of which more particulars will be given later.

BERT KEITH.

Elliott, Ill.

THE DANVILLE SHOW.

The Seventeenth Annual Exhibition of the Vermilion County Poultry Association will be held at Danville, Ill., Dec. 26 to 30, 1899. B. N. Pierce, judge. C. E. Myers, Supt. A. L. Rice, Sec'y. Indications point to this exhibition as being the banner one of all that has been held heretofore, the membership having increased forty per cent the last year. Interest in fancy poultry in this part of Illinois is increasing wonderfully. Nearly all of the standard breeds being represented at our last show.

Respectfully yours,
A. L. RICE, Sec'y.

COLUMBIA CITY POULTRY ASSOCIATION.

The third annual exhibition of the Columbia City Poultry Association will be held at Columbia City, Ind., Jan. 15-20, 1900, with Chas. McClave as judge. With a guarantee entree of 500 specimen, money in the treasury to pay all regular cash and special premiums, and with one of the most competent and able judges, this association feels more confident than ever of having one of the best exhibitions in the West. The secretary is Philip Anther, Jr.

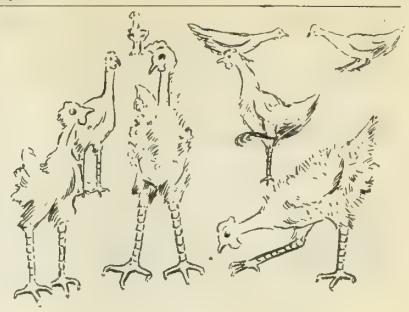
NORTHERN MICHIGAN POULTRY ASSOCIATION.

Petoskey, Mich., July 27, 1899.

Editor American Poultry Journal—

DEAR SIR:—At a recent meeting of our association, it was decided to change the name to the Northern Michigan Poultry Association, with dates of next show Dec. 6th to 9th, '99 inclusive, show to be held at Petoskey, Mich. The officers of the association for 1899 are Dr. R. G. Porter, Pres; Vice-Presidents, Dan'l Harrington, Clarion, Mich.; G. L. Hicks, Jr., Alanson, Mich.; Geo. W. Cook, Charlevoix, Mich.; E. T. Angevine, Cadillac, Mich.; A. M. Colburn, Sec'y; W. H. Seibert, Treas.; F. M. Kurtz, Superintendent. We have engaged Sharp Butterfield of London, Ont., as judge. We invite all fanciers of thoroughbred poultry in nothern Michigan as well as fanciers in general to show with us for a score card by this well known judge, is one recognized by the American Poultry Association and no one is better qualified to place the ribbons. Thanking you for your cordial support, I remain

Yours truly,
A. M. COBURN, Sec'y.



If your chicks don't grow,
And you don't know,
Why so,
Puritan Foods will show.
If the Puritan Rooster is on the box, Puritan Chick Food is inside.

Puritan Laying Stock,

Puritan Chicks, Puritan Ducks, are all fed on Puritan Poultry Foods. Puritan record is a record to be proud of and the eggs hatch.

Puritan Hatching Eggs—

Laid by vigorous, thoroughbred B. P. Rock stock, on the famous Puritan Plant, from birds bred for heavy egg production and utility—$2.00 and $2.50 per sitting. Try some of the eggs that have made the word ***PURITAN*** famous.

The enormous Puritan Plant has smashed all records in poultry culture and stands to-day unequalled and unrivalled. More birds marketed in '98 than by any three plants in America combined. Send 8c in stamps for beautiful half-tone reproductions of the finest poultry buildings in the world—acres of buildings, acres of fowls. To say you will be delighted and surprised is to say it mildly. Circulars free.

There is a good deal in the method, but

There Must be Something in the Eggs!

Largest, most elegant and complete establishment on the continent. *Unequalled and unrivalled for filled capacity of brooders.*

Eggs that have been proven to be a good investment, from pure B. P. R. stock, bred for heavy egg production and not for finery.

Puritan Poultry Farms,
Stamford, Conn.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

E. F. PEIRCE, Catawba Island, O.,
—BREEDER OF—
STANDARD BARRED PLYMOUTH ROCKS.
P. O. address Port Clinton, O.

Partridge Cochins
with exhibition shape, feathering and penciling, line bred for 14 years, if you buy of
GEO. B. GOTT, Ionia, Mich.

GOOD WHITE ROCKS CHEAP—To make room I will sell 10 fine hens that scored 92 to 95; 5 cocks that scored 92 to 94. Very cheap if taken at once. Write for prices.
F. J. PHELPS, Bucyrus, Ohio.

12 YEARS breeding S-c. Brown Leghorns. If you want to win in the show room and have the best layers on earth send me an order for eggs at $1 25 for 15, or 30 for $2. Stock at a bargain. Send for circular.
C. F. LANG, LaCrosse, Wis.

THE IMPROVED **VICTOR INCUBATOR**

Catalogue 4 cents.
Hatches Chickens by Steam Absolutely **self-regulating.** The simplest, most reliable, and cheapest first-class Hatcher in the market. Circulars free.
GEO. ERTEL CO., Quincy, Ill.

1884 ◆◆◆◆ 1899
Skinner's Cochins
Thirteen Premiums on Buff and Partridge against the strongest competition in the world.
I also breed the choicest Light Brahmas, B. P. Rocks, Bronze Turkeys. The sharpest Grit, 50 cents per sack of 150 lbs; 500 lbs for $1. Eggs $1 to $5. Send for Catalogue showing 20 birds by Photo. **O. E. SKINNER, Columbus, Kas.**

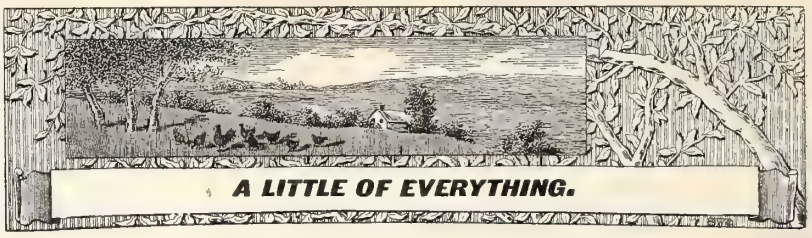
EVERYTHING
FOR THE POULTRY INDUSTRY
from a leg band and poultry bit to an incubator, will be found in our **Free Illustrated Catalogue of**
POULTRY SUPPLIES.
We have on hand the finest quality of prepared second crop **cut clover hay**—the great **winter green food, $1.25 per 100 lb. sack.** Send for catalogue to-day.
HARVEY SEED CO. 30 Ellicott Street, Buffalo, N. Y.

Our Yard
is full of fine chicks that we will enter orders for. The first come gets the best. Brown and White Leghorns, White Wyandottes, B. P. Rocks, B. B. R. Games.
F. E. DeMUTH, Wheaton, Ill.
Correspondence solicited.

Chicago Winners.
TIBBETT'S BRARED ROCKS proved a surprise party at the joint show, Chicago, Jan. 9-14, '99, where in competition with the "best in the country" my Rocks won 2d on cock, 91¾, 5th cockerel, 93 (Hewes); 4th and 5th pullets, 92½, 92½ (Russell) and 2d breeding pen, 185¼. Circular free. Mention A. P. J.
H. TIBBETTS, Neponset, Ill.

A Record
to be of value must be backed by continued worthy deeds. The
Prairie State Incubators and Brooders
have increased their first premiums to 200 in competition with the best. Send for 1898 catalogue, giving full description. Handsome colored plates.
We warrant every machine.
Praire State Incb'tor Co. Homer City, Pa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL


A LITTLE OF EVERYTHING.

Items of Practical Information and News Contributed by A. P. J. Readers.

Keller's Show Dates.

I will judge at Clairsville, O., Dec. 19 to 23; East Liverpool, O., Jan. 1 to 4. Other shows pending. I can't spare the time to judge over three to four shows during the winter months.
IRA C. KELLER.
Prospect, Ohio.

How to Order.

When you want to buy birds, tell the breeder about what you want in quality; what you want them for; how many you want, and your limit on price. Then he can tell you just what he can give you for your money. Don't write to a breeder with hundreds of birds to "send description and prices." It makes him tired at once and is not business. It would take him a week to describe all his birds and price them.
H. S. BURDICK.
Rome, N. Y.

How to Build a Poultry House.

Build poultry houses with roof slanting to the south. Plenty of room for windows, if not more than four and one-half feet space from floor to roof. By this plan dampness in winter is avoided and the house is much warmer. It seems strange that people will almost invariably slant roof to north. If building is tight as it should be, frost and ice will accumulate on inside of roof, while a bank of snow will remain on top, thus converting the house into a refrigerator during severe weather, and when the mercury goes up, down comes the frost and ice in the form of a rain storm. Floor, litter, hens, everything dripping wet. Then blame the "tarnal hens" 'cause they won't lay. Use a little common sense, try the south slant. Your house will be dry and warm, and with proper food your hens will lay and pay.
W. H. SCOVIL.
East Lebanon, Me.

Thoroughbreds.

I find some people that think the improved poultry are no good, and will soon play out, claiming they don't lay as good eggs and as many. Improved stock of any kind is better than the scrub. There is nothing nicer than a large flock of White Plymouth Rocks. The prospect for the poultry at the Montgomery county fair is good; this county has as many breeders as any county in the state. My White Plymouth Rocks number about 250.
TILLMAN EASLEY.
Newmarket, Ind.

For Molting Hens.

Feed the molting hens a mash composed of 2 parts ground oats, 1 each of bran and shorts, 1 of cracked corn and 1 of animal meal or cooked meat, also scatter plenty of wheat and oats in the litter. Wheat is an excellent feather maker. Allow very little corn in the bill of fare. Fresh clean water with plenty of green food, and shade are just as essential as good feeding.
RALPH H. MATHEW.
Sabina, Ohio.

Corn Meal.

When feeding corn meal dough always mix it with boiling water. Allow it to set until nearly cool before feeding. Feed in clean troughs or receptacles previously scalded. Sour or spoilt food is unhealthy and much disease among poultry is caused by feeding sour or fermented food, and by feeding in foul receptacles. Cleanliness in the poultry yard is as essential as cleanliness at your dining room table. JEFFIE R. HUDSON.
Hardin Springs, Ky.

A Successful Way to Feed.

Aug. 20, 1899, finds us with nearly 700 young fowls; quite a few of the pullets laying. Have been experimenting on feeding this year by feeding a light feed of grain in the morning in straw, and then a heavy feed of soft feed at noon; and then a medium feed of grain in straw at night. You can almost see them grow. O. E. SKINNER.
Columbus, Kan.

The Ideal Feed.

Have had good success this season with feeding young chicks and turkeys with rolled oats and cake baked with American Poultry Food, as directed. Lost but few chicks and only three turkeys out of 78 hatched. I find above feed the ideal feed for young stock, they do well, are always lively and do not have all the ailments that generally follow them. Of course chicks were kept free from lice, and feathered out splendidly. G. N. KERSTEN.
Chilton, Wis.

Save Steps.

Now that the chicks are cooped some distance from the house, you can save yourself many steps by running a small rope down to the group of coops and attaching a smaller one from it to the hinged door of each coop. Then by having the door properly hinged and weighted you can open and close coops from the house. H. N. HANCHETT.
Jackson, Mich.

Road Dust. Morning Mashes.

Now is the glorious time of road dust. Gather all you can of it. Several barrels will be useful and not too much. About morning mashes: We have yet to find anything to take its place. We feel that poultry, like people, should begin the day with a warm meal. Ground corn and oats scalded with boiling water and thickened with bran seems to fit the occasion best. Of course, it can be varied, but we stick to the morning mash. Will not pen our young stock for

25

Leg Bands—1 doz. 20c; 50, 50c; 100, 80c. Aluminum, 50, 60c; 100, $1. Get our prices on Poultry Printing. Wagle Company, Marshall, Mo

Write STAHMER

for Exhibition Rose-comb Brown Leghorns. He's got them at the right price. Also a few choice yearling breeders. Must sell for want of room. Write at once. Geo. Stahmer, Oak Park, Ill. Member R. C. Brown Leghorn Club.

ROCKY HILL GRIT.

PRICES: One ton, $7.00; ½ ton, 4.00; 100 lbs. (1 bag) 50

By selling for cash we have no losses and can sell to the consumer at manufacturers prices. Club together and buy at wholesale price. Low freight rates. Better than oyster shell, go twice as far. Save money, buy direct. Send 2c stamp for sample.
ROCKY HILL GRIT WORKS, Milford, Mass.

FATTEN

Poultry in five days. Here is a recipe all who market fowls should have. It will pay a thousand times over. The secret for 20 cents.

H. ATWATER,
88 Franklin ave., Passaic, N. J.

DEWEY HAS 1000 Barred P. Rock, Buff P. Rock, Black Minorca **CHICKS**

from which to select your birds that will win for you at your state and county fairs.
Write for prices—they are reasonable.

M. BLISS DEWEY,
Concord, Mich.

Removal Notice.

My business has increased to such an extent that I have been compelled to move to larger quarters. I am now situated on a 13 acre ideal poultry farm, which will be used exclusively to breeding those noble ***White Wyandottes*** and ***Black Langshans.*** A few fine trios left of this year's breeders for $5 trio. Young stock for sale. $1 up. Address all letters to
HICKORY HEIGHTS POULTRY FARM,
H. H. Fike, Prop., Worth, Cook Co., Ill.

BUFF

Rocks, Wyandottes, Cochin Bantams, W. P. Rocks and White Wyandottes. I have some very choice young stock in the above varieties for sale. If you want birds for show or breeding stock write me for prices, describing your wants I will try and please you. Also a few Ferrets for sale at $2.50 and $3 each or $5 per pair.

A. F. ACKLEY, Box 447, Woodstock, Ill.

Brattain's Brown Leghorns

Won 5 firsts, 6 seconds, 2 thirds, 2 fourths and 7 specials at Oxford and Indianapolis last winter.

50 March and April hatched chicks from the above winners now ready to show. They can win for you.

E. C. BRATTAIN.
Br. Leghorn Specialist. **Connersville, Ind.**

Crushed Oyster Shells.

Prepared expressly for poultry, 100 lb. bag for 80 cents and a liquid lice paint formula free with every order.

HARRY HILL,
Havana, Ill.

Removal Sale.

Mammoth strain Light Brahmas, White Holland Turkeys, Golden Sebright Bantams, Pedigreed Scotch Collie pups. For sale at a bargain if taken at once.

MR. & MRS. J. G. LEMBKE,
Box 25, Griswold, Iowa.

CUT Clover 100 lbs., $1.25 200 lbs.....$2.00; C. O. Shells, ton.....$6.50 100 lbs.....$1.00
M. C. Grit, ton $7.00; 100 lb. $1.00 | Pure Beef & Bone, 100 lbs. $2.00
Cracker Crumbs, 100 lbs.....$1.50 | M. C. Dust Sand, ½-ton....$2.00
For sale after Oct. 1, Blk L'gsh'gs, Bd. Ply. Rocks, White Wyandottes Pekin Ducks and Pit Games, Cock'ls $2.50; pair $4.00; trio $5.00.
CLEVELAND POULTRY CO. Plattsburg, N.Y.

six weeks yet, so as to give them plenty of chance to mature. We think Buff Leghorn are good enough for us. Ours are molting but still continue to lay.

W. H. EATON.

Jackson, Mich.

Grit.

Poultry for profit, pleasure and show depends on grit. Grit for the fowls; grit for the owner and keeper; grit for the judge; success and grit go hand in hand all through the poultry business.

W. A. HOYT.

Whitewater, Wis.

A Clean House.

I clean droppings from hen roosts each day, and sprinkle on road dust. This takes up the moisture and keeps roosts sweet and dry. I also spray houses once a week with coal oil and carbolic acid. These things must be looked after to keep down the lice and prevent disease.

H. D. PAGE.

Ira, N. Y.

Buff Leghorns.

Buff Leghorns are exceedingly hard to breed true to color, many coming with dark or light in wings or tail. This season we have succeeded in raising 100 of the evenest chicks we have ever seen in six years experience, many being pure buff throughout, with rich undercolor. We mated a rich colored cockerel with buff wings and tail on our very finest winning hens, with buff wings, nearly pure buff tails and fine undercolor. Producing fine buffs is no longer guess work with us. We win in show room in hottest competition.

THOS. H. MILLS.

Port Huron, Mich.

Outlook is Promising.

The outlook in this locality is very promising for all of those that have been able to get stock out in fair season. It looks like we will have some high old times at our shows and it will take something to win. Weather very favorable at present and breeders very plenty and waiting for A. P. J.

W. N. SMITH.

Ohio, Ill.

How to Succeed.

Take your poultry to the shows. Convince yourself and the people that your stock is the best. Then advertise in such magazines as the American Poultry Journal, and the race to success is well begun. Better still invite your customers to visit your yards and see that you have more birds at home just as good as those on exhibition. A few good birds is well enough, but it is better to be able to show a whole yard of the same kind.

MRS. J. H. OREBAUGH.

Batavia, Ohio.

A Cure for Egg Eating.

The best plan to cure hens from eating their eggs is to scatter a lot of glass eggs around the yards and pens, and place two or three in each nest; this is the only plan I could ever make work satisfactory. The hens soon come to the conclusion that eggs are not made to eat and soon quit. It will help them to reach that conclusion if all eggs are gathered as fast as layed for a few days. A hen that this plan will not cure is incurable with anything short of the hatchet. Do not let the young stock out until after sunrise when the first frosts

Reliable Breeders' Directory

OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.
C. H. C. Anderson, Carlinville, Ill.
A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minorcas.
H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.
C. H. C. Anderson, Carlinville, Ill.

B. B. R. Games.
J. C. Pratt, Agent.
Residence and Yards, La Grange, Ill.
Office, U. S. Sub Treasury, Chicago, Ill.

Houdans.
John M. Wise, Freeport, Ill. 4-99-1yr

Japanese Silky.
Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.
S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.
S. D. Mandeville, Sidney, Ill.

Indian Runner Ducks.
Ber'd McCaffrey, Steubenville, O. 9-98-1y

WHITE PLYMOUTH ROCKS,
Embden Geese.

Fine cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.

TILLMAN EASLEY,
Box E, Newmarket, Ind.

Houdans, White Wyandottes,
Pekin Ducks.

Large, vigorous, prolific. This season's breeders, among which are many fine exhibition birds, for sale very low to make room for young stock.

MRS. G. A. NORRIS,
Lebanon, Maine.

For First-Class
Partridge Cochins
or
Golden Wyandottes,
(Young Stock only)
Address.
H. A. TOWNE,
Sac City, Iowa.

Poultry Supplies.

Bone Meal, Oyster Shells, Lime Stone Grit, Ground Charcoal, Beef Scraps, Broken Crackers, Caponizing Sets, Poultry Markers, Drinking Fountains, Lambert's Death to Lice, GREEN BONE CUTTERS, Poultry Wire Netting, Feed Mills, &c. Send for reduced price list.

J. H. SLACK, Mfr. Poultry Supplies,
Box 210, Bloomsbury, N. J.

Do You Want the Best?

Can spare a few sittings of eggs from two choice pens of

Barred Plymouth Rocks,

containing all our prize winners. Have shown pullets scoring to 93½ and cockerels to 93. Eggs $2.50 per 13; $5 per 30. A good hatch guaranteed.
MYER BROS., Malden, Ill.

S-c. BR. LEGHORNS,
S-c. BL. MINORCAS.

I won 7 firsts, 2 seconds, 2 thirds at Cleveland and Washington C. H., O. Eggs $1.50 per sitting.

W. H. Wiebke, 266 Beaver ave, Ft. Wayne, Ind

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

This Season's Breeder For Sale

at a Bargain.

Also young stock—Buff and Barred Rocks, Blue Andalusians, Buff and S. C. Brown Leghorns. One pair Pekin Ducks, direct from A. J. Hallock, $3.

B. F PARSONS, Edwardsburg, Mich.

White Wyandottes and S-c. Buff Leghorns.

Winners at

Chicago, Coldwater, Sturgis.

Eggs $2 per 15 in season. Stock for sale at all times. Satisfaction guaranteed. Circular free. Correspondence solicited.

CHAS. F. HOWE, Coldwater, Mich.

A grand lot of Buff Rock Cockerels, Fine style, size And color. Bargains.

Buff Plymouth Rocks, Cornish Indians, Buff Leghorns and B. B. R. G. Bantams.

S. A. NOFTZGER, North Manchester, Ind.

The IONIA STRAIN

....OF....

R. C. Brown Leghorns and Polish

have a standing record east and west. Send for picture book and description. ***Eggs, $2.***

S. G. ALLURED,

IONIA, MICH.

White Wyandottes.

A few choice Breeders for sale cheap if you want something fine to start with he e is a chance. Write to us.

FRED KEITH & SON,

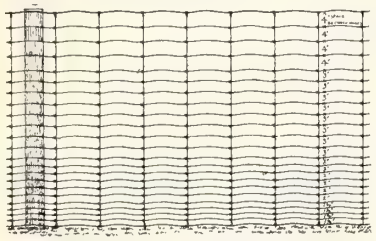
Lansing, Mich.

A Big Bargain.

We will offer for sale, to quick buyers, 75 of our Light Brahmas, Buff and Partridge Cochins; females at $1.00 each. Buy now and save from $2 to $3 on the head.

W. T. & S. J. SAYLER,

New Market, Ind.



RATS NOR CATS CAN'T SUCK EGGS

if your hennery is enclosed with Page Poultry Fence. They can't get through it, nor can weasels or shunks get through and kill the fowls.

Page Woven Wire Fenco Co., Adrian, Mich.

THE ONLY ONE

Pike's Lice Destroyer is the only lice killer that is sold on a guarantee to kill lice and mites or money refunded. It is no trouble to use it as the liquid is sprinkled on the roosts and kills the vermin while the poultry sleeps.

Pike's Lice Destroyer, per gallon can	$ .75
Crushed Oyster Shells, per 100 lb. bag	.75
Mica Crystal Grit, per 100 lb. bag	.75
Ground Bone, per 100 lb. bag	2.00

Much lower prices for larger quantities. Agents wanted. Send for descriptive circulars.

Ship us Your POULTRY AND EGGS

SPRAGUE COMMISSION CO.,

218 South Water St., Chicago.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

come. The first heavy frosts bring on more colds and roup than all other causes combined. Frost or cold alone will not produce roup unless it is in the blood, but they will start it working where otherwise it might remain dormant. J. L. CAMPBELL.

West Elizabeth, Pa.

Question for Judges.

I would like to ask poultry judges how they interpret the Standard suggestion of cutting for defective eyes. Would you cut a blue eyed Plymouth Rock more than the one-half point, same as for pearl eyes, or those only slightly too light or too dark? Is so, how is anyone to know from the score card whether the bird's eyes are only slightly defective or so bad as to be worthless as a breeder? D. J. LAMBERT.

Apponaug, R. I.

No Lice or Mites.

Lice and mites are a thing of the past this year in my poultry houses. And I will tell how I keep rid of them. By keeping the houses clean and whitewashing with Lee's Lice Killer—about one pint to the three gallons of wash, well stirred. Do this about two or three times a year and you will not be bothered with the pests. I have found this to do the work satisfactorily.

U. G. MCADAM.

Wenona, Ill.

Good Business Ahead.

I have the finest lot of young poultry ever raised on my farm, about 300 W. H. Turkeys, White Plymouth Rocks and G. S. Bantams. Plenty of show birds. They win for my customers as well as for me. And I expect the American Poultry Journal to furnish its share of buyers, as it has done before. Success to the A. P. J. A. Z. COPELAND.

Potomac, Ill.

Care of Young Birds.

Move your young birds near the clover lot in August; you will be surprised how fast they will grow and feather on the grasshopper diet. Be sure you have plenty of fresh water for them, also grit, and keep them free from lice in their roosting places. Give a variety of grain wheat, oats and corn. Now is the time to clean out the poultry houses and fill up with fresh dirt for the winter, while the ground is dry. Fill up at least six inches deep above the surface of the ground and your house will be dry and free from dampness in winter. If on top of the dirt you put eight or ten inches of straw, the problem of exercise is solved for winter. F. M. MUNGER.

DeKalb, Ill.

How to Have "Luck."

Keep down the lice; feed young stock liberally and use the hatchet freely on both culls and sick birds, and with your stock properly housed this winter (my word for it) you will have better "luck" next year. A. S. PARSON.

Garden City, Kan.

Information Bailed Down.

Give the young stock plenty of room, keep coops clean and well aired. Use coal oil on roosts. This is a good month for lice. Look out for them. It is easier to keep them away than to get rid of them. Feed plenty of animal meal or cut bone to molting hens. Dispose of the culls and crowd the late hatched

BUFF WYANDOTTES.

Winners Wherever Shown.

Send for circular giving prizes. Some fine young stock for sale. Eggs $2.50 per sitting.

C E. ELLSWORTH, Danville, Ill.

RAINEY MILLER,

Champaign, - - - - Illinois,

——BREEDER OF——

Light and Dark Brahmas, Buff, Black and Partridge Cochins, Black Langshans, Barred and White Plymouth Rocks, S-c. B. and R-c. B. Leghorns, Cornish Indian Games, Black Minorcas, W. F. Black Spanish, S. S Hamburgs.

W. P. ROCK COCKERELS ON TRIAL.

Send for my new and novel plan and prices. Young Pekin Dux 75c each.

GEO. OWEN, Wray, Colo.

On Burlington R. R.

A Great Bargain.

10 yearling hens and 1 cock S-c. W. Leghorns, laying good, $10; two trios of Light Brahmas, $10; a few fine S-c. W. and Brown Leghorn cockerels at $1.50 each; 20 eggs $1, from my best Barred and White Plymouth Rocks and S-c. White Leghorns; $1 per 15 from my prize Light Brahmas, Buff P. Rocks, Buff Leghorns and Rose-comb Black Minorcas. Order quick. Circular free.

C. B. HUFF, Lock Box 73, Delaware, N. J.

.....BEST.....

HEN RESULTS

That is certainly what every poultryman, and every owner of poultry is seeking. This is a case where results depend very largely on the quality of the hen.

SHE MUST BE WELL BRED,

for all other things being equal, the blue blooded hen **wins in the race for profit every time.**

We Breed Them, We Sell Them.

We have at the present a number of **fine females** of each of the following breeds for sale.

B. Langshans, B. P. Rocks, Light Brahmas, S. C. Brown Leghorns, Partridge Cochins, and Pekin Ducks.

Strong healthy individuals capable of leaving their stamp on any flock. **Prices very reasonable,** quality of stock considered. During the summer season we shall sell **eggs for hatching from each of the above breeds at greatly reduced prices.** Write for what you want; we can suit you both in price and quality.

Continental Poultry Farm,

Box A, Belleville, Ill.

Two For $1

We will send

Farm-Poultry

and

American Poultry Journal,

both one year for $1. The regular price of American Poultry Journal is 50 cents and Farm-Poultry $1 and you save money by sending us your subscription.

American Poultry Journal, Chicago, Ill. U. S. A.

White Ply. Rocks, Exclusively for 10 Years.

50 choice yearling breeders for sale at a great bargain, to make room for young stock. Here is a chance to get A.No.1 stock for little money.

JAS. S. HOFFMAN, Sharon, Pa.

Barred Plymouth Rocks,

of Montauk Strain.

Equal to the best in the land. Stock for the fall shows at reasonable prices. Address

R. W. DURYEA,
Great River, L. I.

North Side Poultry Yards.

SILVER and BUFF WYANDOTTES.

No eggs. Stock for sale at all times. Agents for Spratt's Patent Poultry Food. Send for circular or write your wants.

A. & E. TARBOX,
Box A 5. Yorkville, Ill.

Roberts' Buff Rocks

are known wherever Buff Rocks are known, and what is better still, it's their merits that make them popular. Circular tells all about them.

Eggs reduced to $1 per sitting; 6 sittings $5.

R. W. ROBERTS, Box 4, Camroden, N. Y.

Blue Barred Plymouth Rocks,

Bradley Bros. Strain.

Large and showy, well barred, fine in shape and color, and no brassiness; legs and beaks a nice orange color. They are as fine a flock as there is the West. I have bred them 2 years and have been very particular to breed them to the Standard. Eggs, $2.50 per 13. No circulars. Write for price.

LEVI McNETT, Woodstock, Ill.

Eggs Half Price

30 for $1.50.

Light Brahmas, B. P. Rocks, S-c. Brown Leghorns. This price for remainder of season only. Belgian Hares, three months old, $1.50 per pair.

GEO. O. ANDERSON,
Homer, Ind.

W. P. ROCKS.

The hatching season is over. I have winners that will be ready for the judges by October. They are yours at a fair price.

W. M. JAMES,
Box 123. Alvin, Ill.

See Here!

I will now sell a few of my this year's breeding birds at a bargain in order to make room for my young stock. If you are in need of any Light Brahmas, White P. Rocks or Black Minorcas don't fail to write me for prices on these birds. Remember I want to close them out within thirty days,

T. P. EBERSOLE, Manson, Iowa.

S. C. B. LEGHORN

COCKERELS ***Damon Strain.***

Have a lot of early hatched, extra well marked birds, that will be ready for delivery after October 1st- BREEDERS all sold. Write your wants.

C. M. DAVIDSON,
Chicago Lawn, Ill.

300 Chicks and a few choice Hens FOR SALE

Higley's Lt. Brahmas

Elegant Catalogue Free

WILLOWHURST BRAHMA YARDS
CEDAR RAPIDS, IOWA.

stock. Get them to laying by first of November or the egg basket will be empty all winter. Do not sell the best pullets you have, because some one offers you what you think is a large price. Always breed the best you can get. Do not expect to get a 95 point bird for $1. F. R. SIMMONS.

Casstown, Ohio.

A Good Motto.

Breeder of W. Wyandottes, my motto is: "Let the people know you are alive and have stock to sell by advertising." Give your customers at least value received, and allow no customer to remain dissatisfied, if fairly reasonable. Bums I have no use for. By following the above I have built up a fine trade as well as a name. F. P. PULSIFER.

Natick, Mass.

How to Ship Eggs.

In shipping eggs for hatching we have found nothing equal to packing the eggs in baskets, in which are fillers, packed in straw, and each egg wrapped in paper. In four years' experience, we have never had complaint of a broken egg, and we have shipped all the way from one setting to 200 eggs, packed in this way, and all over the United States.

GOE. OWEN.

Wray, Colo.

Write Plain Letters.

I wish to say to buyers of pure breed poultry, when writing to an advertiser state just what you wish and describe same and there will be far less trouble and misunderstanding between buyer and seller. I have a choice lot of Cochin Bantams and expect to win this winter as usual on them.

FRED'K WILLIS.

Fort Wayne, Ind.

A New Incubator.

H. C. Clark, formerly secretary of the Von Culin Incubator Company, now president of the Columbia Incubator Company of the same place, which company has absorbed the old Von Culin Incubator Company and the National Brooder Company, has invented a new incubator, which he has patented and which will be placed on the market this year. He claims his machine to be the most practical machine made up to date and will advertise it extensively this fall and winter. H. C. CLARK.

Delaware City, Del.

Skim Milk for Poultry.

No poultry farm is complete without a few cows, as skim milk is not only a cheap feed, but a profitable one for fowls at all ages. Try it and be convinced. S. J. SAYLER.

Newmarket, Ind.

Direction for Shipping Poultry.

Ship your old hens this month, while the prices are up. Remember everybody sells their pullets during the holidays and prices are always down. Ship your large turkeys before January 1 and small ones later.

SPRAGUE COMMISSION CO.

Chicago, Ill.

Frozen Combs.

It is a well known fact that when a hen has a frozen or even frosted comb it is very apt to curtail her usefulness in various ways, especially egg production. Last winter, during the severest

Bargains.

For want of room I shall sell at a bargain some of my breeders in Barred Plymouth Rocks, with score cards by Felch. Prices right. Address

G. N. KERSTEN, Chilton, Wis.

SMILE WITH US. WE ARE GOING to make the greatest offer you have heard of in many a day. Of course you have heard of us but we want you to know us better, and to introduce the merits of THE EASTERN FARMER as a monthly poultry magazine, we will send a trial subscription to you **6 MONTHS FOR 10c.** or for 50c will publish a six-line classified ad two months and send you the paper one year free. THE EASTERN FARMER, STAMFORD, CONN. F. J. Billard, Am. Black Minorca Club, Editor. 7-3

REMOVAL SALE.

Great reduction for next 30 days. I will sell fully two-thirds of my old stock at half value. If you want something good in Buff Cochins and Light Brahmas write for prices, enclosing stamp for reply if you mean business. I am agent for Mrs. Ella Thomas' Cholera Cure and Insect Exterminator.

J. H. GRANT, Elmira Heights, N. Y.

Color Talks.

My Buff Leghorns have buff to burn. Will have some fine young stock for sale this fall. Send your name on postal card for circular.

W. H. EATON, Jackson, Mich.

Sec'y J. P. F. Association.

Jackson Poultry Show, Dec. 18 to 22, 1899. I. K. Felch, Judge.

POULTRY FOOD

	50 lbs.	100 lb.
Beef Meal	$1.00	$1.80
Concentrated Meal	1.00	1.80
Ground Beef Scraps,	1.00	1.80
Granulated Bone	1.10	2.00
Fine Ground Raw Bone Meal	1.10	2.00
Mica Crystal Grit		.75
Crushed Oyster Shells		.65

C. A. DAMON, 2470 Monroe st., ***Chicago.***

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3½x5⅝ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x5⅝ in., at same price. ☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash. ☞No less than 100 of any one kind printed. No samples sent to any one whatever.

JEFFIE R. HUDSON, HARDIN SPRINGS, KY.

(Mr. Hudson is perfectly reliable.—EDITOR.)

Eggs, Eggs, Eggs.

BANNER EGG FOOD and TONIC

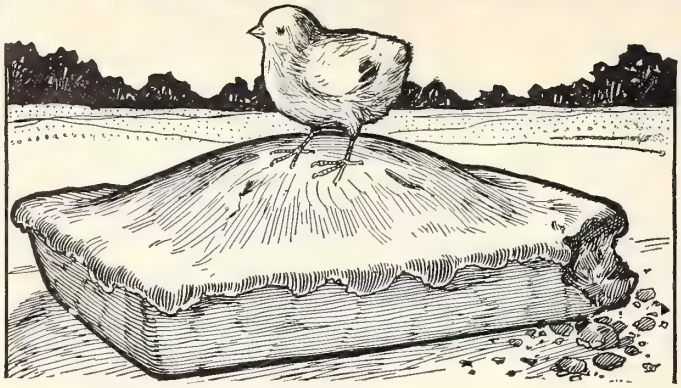
is the greatest egg producer ever known.

We Sold Over 5000 1-lb. Cans in 1898.

It also helps the hens through the moulting period and starts them laying early in the fall, when eggs are scare and prices are high. Price, 25c per 1-lb. can; 5 cans $1. Small sample mailed free. Our immense 1899 illustrated catalogue mailed free if you mention you saw this ad in American Poultry Journal.

Excelsior Wire & Poultry Supply Co.,
28 Vesey st., New York City.
W. V. RUSS, Prop.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL



Raised on

Cake for Chicks

Made from

American Poultry Food

The best, the cheapest, the most successful chicken food ever put upon the market.

HOW TO MAKE IT.

Thoroughly mix three pints of American Poultry Food, one pint of clover meal, a third of a teaspoonful of salt, and five teaspoonfuls of baking powder: wet with water or milk to a moderately stiff batter and thoroughly bake in a slow oven; the inside of the cake will serve as a mash, and the outside can be used in place of hard grain.

Feed little and often at start, gradually reducing the number of mash feeds until the chickens are placed permanently on three meals a day, after which mash should be fed but once a day.

It Makes Chicks Grow Fast.

Sold only in Sealed and Branded Sacks.

Try a bag and be convinced. **At your feed dealers.**

Practical Poultry Feeding, a little book covering a wide range of subjects of vital interest to Poultrymen, will be sent you free, post paid, on request.

Address, **SCIENCE DEPARTMENT,**

THE AMERICAN CEREAL CO., 1353 Monadnock Bldg., CHICAGO. ILL.

BUCKEYE FARM, AUSTINBURG, OHIO. Drawer 13.

BUFF ROCKS GRAND IN SIZE, SHAPE AND COLOR.

BUFF WYANDOTS

THE KIND WE ALL WANT.

LARGER THAN THE GENERAL RUN OF LEGHORNS; GREAT LAYERS. **BUFF LEGHS.**

Can now furnish young or old stock and winners for the coming shows.

Address ***E. A. PHELPS, Prop.***

weather, when the thermometer registered 20 degrees below zero, we allowed our Rose Comb Brown Leghorns the privilege of leaving the house at will, with the result that not a single bird's comb was frosted in the least, while many of the single comb breeds, remaining indoors, had their combs badly frozen or frosted, some losing their combs altogether. This fact is *one* of the reasons for our decision to breed Rose Comb Brown Leghorns exclusively in the future. CHAS. M. ZINK.

New Albany, Ind.

June and July Chicks.

My experience with late June and July chicks is that with proper care they can be made to do well. Keep the hens while sitting in a shady place or in a room that the sun does not strike. When hatched place the coop in a shady place and feed cooked feed. Keep plenty of cold water for them all this time and watch close for lice. For these, I dust them about every ten days with insect powder.

PAUL B. HARSHMAN.

Sullivan, Ill.

Separate and Sort Out.

Separate your cockerels and pullets as soon as the cockerels become troublesome. Sort out your culls and market them as soon as they are big enough. Look your chicks over after roosting time and see that they are not crowded. They are apt to bunch up after being weaned and become overcrowded. If possible pick out a few of your best birds and give them a little extra care. It will pay you. B. F. PARSONS.

Edwardsburg, Mich.

Lice.

What is the use of so many allowing their birds to be half eaten up by roost lice or red spider lice, when an application of common crude ground oil (petroleum) painted over and under roosts and all places where the lice harbor, once a week for one month, will destroy every louse, and nit as well, if meanwhile you have thoroughly cleaned the floor of all litter. Filth does not breed lice no more than fowls, but it shows that the breeder is a careless fellow that does not care either for lice or filth.

JOE FARMER.

Flushing, Ohio.

Separate the Breeds Now.

Now is the time to separate the breeds; also to keep the yards and houses clean. Use plenty lice killer and see that the old birds' legs are oiled with sweet oil. As molting season is on feed blood meal and take extra care of your pets. It will pay you. My White Rocks are finer than ever. It tickles a breeder to see that his matings were a success. U. R. FISHEL.

Hope, Ind.

Rose Comb Leghorns.

The rose comb type of Leghorns are fast supplanting those of the single comb variety, on account of their better adaptability to withstand northern winters. My Rose Comb Buffs passed through our last severe winter without being the least bit frostbitten, while my single combs showed the effects very much on most of them in spite of care and warm houses. Rose Comb Buffs are new to many, but they are much preferable to the singles to those who are breeding

them. They art typical Leghorns in every respect, with rich buff plumage, and a most striking comb which becomes more popular to the breeder as his experience grows with them. L. B. HANNA.
Columbus City, Iowa.

Would Like to Correspond.

F. S. Burch & Co., agricultural chemists of this city, would like to correspond with manufacturers of liquid and powdered insecticides and lice killers. They have facilities for making this class of goods at a much lower figure than they can be made for in smaller towns. They are now compounding packing, labeling and shipping for quite a number of outside firms.
F. S. BURCH & Co.
Chicago, Ill.

Large Displays Promised.

Mr. Brown, of Webb Publishing Company, St. Paul, called on me Aug. 9. He thinks better of his own home each day he is absent from it. The indication for large displays at fall and winter shows are most encouraging. My stock never did better than now; the demand for the best is good. In general, trade in poultry is on the advance.
T. F. MCGREW.
New York City.

"Dress Up" the Stock."

The thoughtful, careful—and hence successful breeder—is now giving the stock special care. He is busy aiding the aged stock to "dress up" so they will present good appearance and make a good impression "at first sight" when they enter the homes of their new owner. Young stock is being pushed. The *fancier* is busy. The nonfancier is probably complaining of the warm weather and neglecting his stock.
THOS. F. RIGG.
Iowa Falls, Iowa.

Road Dust.

Now is a good time to store up your road dust for your hen house this winter. In every bushel of dirt mix one-half bushel of slacked lime. Mix well together and put in closed box. It will make the lice "git" and make the hens fill the egg basket. J. S. HOFFMAN.
Sharon, Pa.

Trade on the Boom.

The fowls are molting and now use Our Banner Molting Powder, after it; then Our Banner Egg Food and Tonic and you're bound to get the eggs and results. Poultry supply trade is on the boom.
EXCELSIOR WIRE & POULTRY SUPPLY CO.
New York City, 28 Vesey street.

Don't Crowd the Chicks.

Do not let too many chicks crowd into the coops at this season. Abundance of fresh air while at roost will make a difference of from one to two pounds each at maturity. Paint the roosts once a week with kerosene to keep them free from vermin. Give the chicks a free range if you want winners.
A. C. HAWKINS.
Lancaster, Mass.

Games in Europe.

On the Continent of Europe the heaviest fowls in the poultry shows are not Asiatics, but Games, the largest being the Bruges variety. I have seen these cocks in Belgium, weighing as much as

White Wyandottes--Pit Games.

If you want some of our this year's breeders, better write us quick. Your money will go much further now than later in the season. Let us know your wants.
BROWNE & MANN, 428 N. 53d st., Austin, Ill.

WHITE PLYMOUTH ROCKS THAT WIN.

They are better than ever. A grand lot of white youngsters coming on. It's quality, not quantity with me. When you are ready write me. A few choice breeding hens for sale at $2 each.
R. M. GARD, Box A, Frankfort, Ind.

DAVIDSON'S LIGHT BRAHMAS ARE FAMOUS for their large size, beautiful black markings, prolific laying and prize winning qualities. 40 grand breeders for sale, including winners at Mason City.
U. GRANT DAVIDSON, Manson, Iowa.

The Best Clover Meal in the World

is that manufactured by the Jordan Milling Co. (*It is pure clover.*)

The Best Brooder on the Market

is the $5 Prize Brooder, acknowledged by all to be the best. Send for sample of Clover Meal and Catalogue.

JORDAN MILLING CO., Jordan, N. Y.

HIGH-GRADE INCUBATORS

WE CAN SUIT YOU IN PRICE AND WE GUARANTEE TO PLEASE YOU IN QUALITY. What more could we do? Our catalogue tells all, and is devoted largely to practical matters pertaining to poultry raising. Has 148 pages; mailed to any address for 6c. No wild and woolly statements, toy outfits, nor prize package lots to offer. Fair treatment, prompt service and full value are what we try to give our customers.
DES MOINES INCUBATOR CO. Box 1, Des Moines, Iowa.

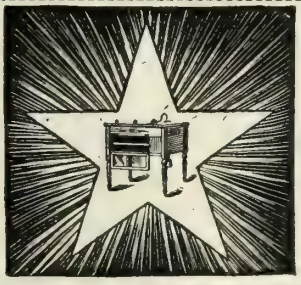
A Popular Combination.

We will send you AMERICAN POULTRY JOURNAL, one year, and Geer's Poultry Book,

"The Chicken Business, How to Make it Pay,"

post-paid for 60 cents. Try it.

AMERICAN POULTRY JOURNAL, 325 Dearborn st., Chicago, Ill.



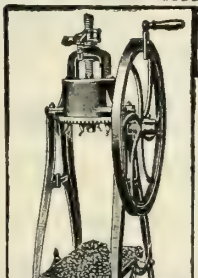
The Star Incubator.

POSITIVE DIRECTIONS FOR VENTILATION, REGARDLESS OF LOCATION.

No Moisture Required.

CATALOGUE OF INCUBATORS AND BROODERS *FREE.*

STAR INCUBATOR CO.,
14 Church st., Bound Brook, N. J.



MANN'S GREEN BONE CUTTERS

Make a certainty of the Poultry Business.

They convert green bone into the cheapest and most palatable poultry food in the easiest way at the smallest cost. ***GREEN CUT BONE doubles the egg product.*** Makes hens lay in winter when eggs are worth the most. ***Makes early layers of the pullets.*** Grows the quickest maturing highest priced broilers. They turn easy, cut fast and last indefinitely.

MANN'S CLOVER CUTTERS meet every requirement of a ***safe, fast machine*** that cuts all kinds of hay and clover, dry or green. No play thing but a ***strong, substantial, serviceable machine.*** Steamed cut clover is almost indispensible and immensly profitable in winter. Only one knife to keep in order. Makes 12 cuts to one revolution of the wheel. Price, $8. and $10. Made with or without stand.

MANN'S SWINGING FEED TRAYS are indestructible feed troughs which keep the feed in and the dirt out. Hens can't scratch or wallow in it or roost on it. Quickly pay for themselves in food saved.

MANN'S GRANITE CRYSTAL GRIT is "clear grit"—no sand or dirt. Full of sharp corners that crush and grind the hardest food. It is the greatest promoter of hen digestion known.

THE F. W. MANN CO. LINE OF POULTRY APPLIANCES have a world wide reputation for rapidity, quality and durability. You take no risk in buying these. **Sold for cash or on installments.** Illustrated catalogue free.

F. W. MANN CO. Box 56 Milford, Mass.

MANN'S GRANITE CRYSTAL GRIT

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

BUSINESS CHANCES—If you have a busines you wish sold quickly, or if you wish to engage in any new line, or change your location, address our Business Dept.
EXCHANGES—Our exchange list is the largest in the country, and if you have real estate or any legitimate property you wish to trade, address our Exchange Department.
No charges without sale. Give full information first letter.
MERIAM, ELLIS & BENTON, 511 Minnesota ave., Kansas City, Mo., U. S. A.

WANTED—A MAN—One to buy, rent or take an interest in a modern, well equipped poultry plant. Good chance for a man who thoroughly understands the business. Over 5500 sq. ft. of floor space.
WHITE SILVER **WYANDOTTES** GOLDEN BUFF
F. M. GRIER, Prop., Box C., Charlotte, Mich.

Denny's BUFF ROCKS, "GOLDEN ROD" Strain.
100 Yearling Breeders **FOR SALE.** Females, $2.50 and up. Males, $5 and up.
200 Chicks Bred from **PRIZE WINNERS** Ready to ship from now on.
Write for particulars. W. C. DENNY, BOX J., ROCHESTER, N. Y.

White Wyandottes and Buff Cochin Bantams.

Our White Wyandottes are fine. The best legs, beaks and eyes we ever secured; other sections equally good. Will have fine cockerels after Sept. 1st. And the Buff C. Bantams are simply grand. Buff to the skin and fine feathering. A very few cockerels, pairs and trios for sale. Will send sample of feathers to those who mean business. In writing please describe just what you want and our prices will be low when you consider quality. We always answer inquiries.
G. C. FLEGEL, Westville, Ind.

BUY THRIFTY, FARM BRED STOCK.

The kind that will bring you success.
Our Prize-winning **ROSE COMB BROWN LEGHORNS** Have Frost Proof Combs.
Stock for sale. Prices right. Satisfaction or money back.
FERRIS & ZINK, Props. Oak Leaf Stock Farm, NEW ALBANY, IND.
Charles M. Zink, Secy Treas. American R. C. Brown Leghorn Club.

They Got Their Money's Worth
has been the verdict in the past

The quality of chicks this season is even better than ever before. I have for sale 50 yearling and two-year-old hens; also 1000 chicks, produced by that champion sire **MARKUS** 92½, his sons, Ideal and Victor K., 93 and 92½, and four other males bred along the same lines. If you are looking for size and style in birds, with barrings that are second to none, address the exclusive breeder of Barred Rocks for circular and prices. Mention American Poultry Journal.
O. L. KING, Walnut Grove, McDonaugh Co., Ill.

Winners.

Our birds won the best prizes wherever shown during the past winter and the superior matings in our breeding yards this season have produced stock that can and will win at the coming winter shows and fall fairs. Do you want such stock? LARGEST POULTRY PLANT in Ohio. This country's best Turkeys, Geese, Ducks, Chickens, Guineas, Peafowl, etc., etc., etc. Address
CHAS. McCLAVE, 416 Ashland st., New London, Ohio.

JUST LIKE THEIR DADDY!

I have an unusually fine lot of young cockerels for sale, bred from the cock which took **FIRST PRIZE** at the big **CHICAGO SHOW.** *Large, Strong, Stylish* and correctly feathered. They are sure to make fine foundation stock. I havn't time to breed anything but the best. Eggs $2 for 15 in season.
DANIEL PURNELL, Geneva, Ill.

Only White Wyandottes.

Cockerels, Trios, Pairs or Pens

Buff Rocks and Black Langshans.

—Better this Season than ever.
—From last Season's Winners.

Best quality for lowest price—quality considered. Winner of American Buff Rock Club Cup for Indiana, year 1899, for best cock, hen, cockerel, pullet and pen.
S. E. McINTOSH, Hardinsburg, Ind.

Beautiful Golden Buffs.

in Plymouth Rocks, Cochins, Cochin Bantams & Leghorns.

My birds are of that much desired Golden Buff, with good undercolor; vigorous, rapid maturing and most productive layers. A few more of last season's breeding stock for sale low to clean up.
500 Chicks Must be Sold
before going into winter quarters. Cockerels $5 up. Pairs, trios and breeding pens mated for best results. Prices on exhibition birds made known on application describing wants. Your money back if not satisfied.
W. H. SCOVIL, Box 82, E. Lebanon, Maine.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

fourteen pounds, but have never been able to attain any such weight with the same stock in this country. The genuine Bruges and Liege cocks are *dead game* in any kind of heels but too slow for gaffs. The Flamands and Combattants du Nord, however, are bred expressly for long-heel fighting and have proven themselves the best shakebags in the world. H. P. CLARK.
Indianapolis, Ind.

Caponizing.

The late and backward season for poultry can be transformed into a field of rich harvest by caponizing the late cockerels. The enormous trade being enjoyed by the Allerton Caponizer Manufacturing Company, of this town, indicates that poultry people are acting the part of wisdom and doing this. The high price received for capons the past four years has demonstrated the practicability of this course.
D. D. SHIRLEY.
Allerton, Iowa.

The Largest Poultry Exhibit.

D. H. Foster, of Gowanda, N. Y., has just made a large sale of Buff Rocks in California. I have dates for judging Albion, N. Y.; Hamburg, N. Y.; Meadville, Pa.; Elmira, N. Y., and Rochester, N. Y. It is safe to say that the largest poultry exhibit ever held on this continent will be at the Pan-American Exposition at Buffalo about October, 1901. We will see. G. H. BURGOTT.
Lawton's Sta., N. Y.

Exhibit Your Stock.

Every poultryman who is in the business to make his fowls pay, owes it to himself to exhibit some of his birds at one or more of the poultry shows during the coming season. In no other way can the public be convinced of the value of your stock. The man with "better birds at home" may have them all right, but they generally stay there, too.
FRANK HECK.
New Albany, Ind.

Three Things That Kill Chicks.

Lice will kill young chicks; roosting on the damp ground will kill young chicks; wet, sloppy food will kill young chicks. This season I have avoided all three and have not lost a single chick by disease. C. E. ELLSWORTH.
Danville, Ill.

THE TOWN FLOCK.

Come friends, let's figure on the value of the family flock in town—the flock of hens that is kept for business as well as pleasure. They may be pure bred or common, but they ought to be all of a kind, and therefore thoroughbred.

In the back yard of many a home in town, there is room for a dozen hens and a rooster; and, with the outing, and scratching about that they will have in the out-buildings on the place, they should be maintained very easily on the scraps from the table—than which there is no better feed to produce prolific and constant laying. With proper winter housing, they should average a hundred and fifty eggs per hen, during the year, or 1,800 eggs for the twelve hens. Of these eggs three hundred should be set along during the hatching season, say from February to June, so as to hatch about twenty chickens per month, or 100 chickens in five months, which should be utilized for home use, as soon as old

enough, hence there would not be more than twenty-five or thirty chicks, of much size, in the yard at one time, as the first hatched would be ready to eat at eight or ten weeks and therefore be gone before the later ones were hatched.

The 1,500 eggs, that were not set, should be worth to the family $15.00, and the 100 chickens from the 300 set eggs worth $25.00 more, for home use, making a total value of the produce of the twelve hens that are maintained by the table scraps,—a home value of $40.00 to the family.

But we must allow something for the feed of the young chicks, for there is no calculation of them or their maintenance in the table scrap bill of fare. We will set their age at two months, and their cost of food per chicken at 5 cents per month, or 10 cents per chicken, up to the time they are utilized on the table, and we then find a deduction of $10.00 for the 100 chickens, from our first calculation of $40.00 from the twelve hens; leaving us a net profit of $30.00 from the flock in the back yard, in one year, which is represented in nice fresh eggs, and tender chicken of our own raising, if we so will it.

H. B. GEER.

Nashville, Tenn.

WHITE WYANDOTTES AND WHITE LEGHORNS.

The White Wyandotte and the White Leghorn are today, I feel confident in saying, the most popular breeds for both eggs and broilers and for these reasons and their beauty they appeal to the fancier and farmer alike, both being good winter layers, while the White Wyandotte makes the very best of broilers when about ten weeks old or develops into the choicest kind of roasters. It is a pleasure for me to say to the readers of the American Poultry Journal that my success for the last three years is due to three things, which are most essential in the poultry business. First personal attention both night and day. Correspondence, incubators, brooders, sorting, mating, cleaning, shipping and keeping exact receipts and expenditures, all of which means work, but always satisfaction to my customers and most certainly so to myself as at the end of the year I know where I am at.

Second—Running my place on business principles, trying to be honest and conscientious, doing as well by the beginner as I do the old fancier, as the coming generation are the ones that will have the push, and will make a success in the poultry business.

Third—Reading and advertising with the best poultry papers and books. When a leisure moment presents itself am always trying to get some good, substantial idea how to improve my stock or arrange something to the comfort of my stock and young, saving no expense to forward that end. I appreciate what the American Poultry Journal has done for me through their columns, as I am young in the business yet and am learning something every day as most anyone can in this business. Eight years have given me some grand presonal experiences and every year can profit by them. Just a word to the beginner, buy the best, study, read, give personal attention, be active, always on the alert, honest, run it as you would any other business and success is assured.

B. G. SMITH.

Elmira, N. Y.

Boston Show, '99.

White Wyandotte class LARGEST and BEST ever shown in the world (233 birds).

Duston Again Wins the Lion's Share

26 Regular and Special Prizes.

including 1st and 2d cock; 1st cockerel; 2d pullet; 3d hen, &c. Special for best cock and 4 hens, best 5 cockerels, best cockerel and 4 pullets. SILVER CUP for Largest and Best Display, and others.

EGGS —*$3 per sitting; 4 sittings $10, or $15 per 100.*

Those wanting only the best should write me.

ARTHUR G. DUSTON, Box 1020, Marlboro, Mass.

White Cochins
Barred Plymouth Rocks
White Plymouth Rocks
Black Langshans
Light Brahmas
Cornish Indian Games
Single-Combed Brown Leghorns
Pekin Ducks
Bronze Turkeys

Bred at Poplar Farm

Mahomet, Illinois.

Write R. D. Burnham, Champaign, Illinois, Sup't Poultry Exhibit of Champaign County Fair Association for premium list for 1899 exhibit.

ALL stock is farm raised from pens mated to secure best results. We do not have as many birds as some but every pen is carefully culled and nothing but the best are retained for breeders. All eggs will be carefully packed and safe arrival guaranteed. All inquiries should be addressed to

Edward Kuster, Sup't, Mahomet, Ills. R. D. BURNHAM, Owner. Champaign, Ills.

THE ADAM GREEN BONE CUTTER

This is the Bone Cutter

—and indeed the only one which is equipped with **ball bearings.** That's why it **runs so easily.** It cuts on the shear plate principle. No gouging, crushing or breaking of bone into pieces or dangerous bone splinters.

Leaves a Shaving of Bone,

fine and easily consumed by fowl or chick. Easiest to clean — **cleans itself.** Feeds at will of operator. Strong and durable. Large capacity. Made in various sizes for hand and power. Write for our illustrated Catalogue No. 3, prices, etc.

W. J. ADAM, JOLIET, ILL.

"THIS IS IT."

The Utility Farm of the Age.

Plainfield Poultry Farm Co., Plainfield, N. J.

THE HOME OF

Corby's S-C. Wh. Leghorns.

The great winter laying strain.

Hundreds of youngsters bred this year from our Madison Square winners. You order—we guarantee satisfaction.

Also breeders of White Wyandottes, White and Barred Plymouth Rocks, Pekin Ducks. Circular free.

S. B. CORBY, Mgr.

Buff P. Rocks, Single and Rose-comb Buff Leghorns; my own "ORANGE STRAIN" exhibition and breeding birds now for sale at right prices. Write, L. B. HANNA, Columbus City, Iowa.

WHAT HAS BECOME OF THE DORKING?

I see nothing at all of this bird in the various poultry journals of the land. Has it been entirely ruled out in the ambition to create some new breed? We know it is one of the oldest of the domestic fowls. There is evidence that it has descended to us from the Romans. Its table qualities perhaps are unsurpassed. Its flesh is white and of a most delicate texture, not excelled by any of the French varieties. It has a broad, deep, projecting breast, and herein rivals the Indian Games. They are also good layers, good sitters, good mothers. In every way they are a splendid fowl for the farmer. We repeat—What has become of them in this country? I have read of nothing in the U. S. Department of Agriculture Bulletin, No. 51, presented in such fine form by Mr. George E. Howard, that surpasses in interest what is said of the Dorking. I was particularly struck by the fact that he brings out that this bird is a hardy one and can stand almost any amount of cold weather.

Are there any of the poultry establishments where the cultivation of the Dorking a specialty? Will not the readers of the American Poultry Journal kindly give some information about this bird, and where the plants are where it is being cultivated. B. J. RANKINS.

Vevay, Switzerland county, Ind.

AUTUMN HATCHING.

July 15 we set two hens, giving each hen fifteen eggs. Today we took them from the nest, one with three chicks, the other with eleven chicks. The eggs that the chickens came from were all taken from the same basket, and nearly the same age, since laid, and therefore no difference as to quality.

But, the bad hatch of one of the hens was due to the fact that she broke one egg or two in her nest on two or three different occasions, and we had to wash her eggs.

On breaking several of the unhatched eggs, we found dead chickens in them. Hence it is evident that either the odor of the broken eggs or the application of the water, in washing them, weakened the vitality of the embryo chickens so that they could not break the shell at hatching time.

Many a fancier has gotten "Jessie" from a disappointed customer, who failed to get as many chickens as expected from the fanciers eggs;—the customer not taking into account the effects of just such breakage and failure to hatch from a cause wholly local, such as we have so recently experienced.

We have several other hens sitting, and expect to take off fifty or seventy-five young chickens within the next two weeks. Early fall chickens do better than late hatched ones. It is not advisable to hatch them later than Oct. 1, unless one is provided with brooders, indoor runs, etc. H. B. GEER.

Nashville, Tenn.

SPECIAL OFFER—Page's Black and White Minorcas. To introduce stock, all $5 orders will receive a sitting of my best eggs free. Stock guaranteed. Eggs in season $1.50 and $2. No W. Minorca stock for sale. Circs. free. H. D. Page, Ira, Cayuga Co, N. Y.

A. Z. COPELAND, Potomac, Ill..

Breeder and shipper of young stock from prize winners that are fine—White H. Turkeys, White P. Rocks, Golden S. Bantams and Poland-China pigs of best blood.

Eggs Sure to Hatch

—the kind that will produce **strong, vigorous chicks,** depend upon the vitality of the hen that lays them. She must not be fed on **heating, debilitating food.** Really the best thing for the breeding hen is our

PIONEER CLOVER MEAL.

It makes young chicks grow rapidly. Wonderful for broilers. Makes sweet, tender, high-flavored flesh. It is made from clean clover hay, cured by our own special process so as to preserve all the bright green color and the delicious aroma and essential oils. It is ground into the finest meal by our powerful and specially designed machinery. **No additions, no adulterations,** but **clean, pure, sweet and wholesome poultry food.** Then, too, it is quite cheap—only costs: 50 lbs. $1; 100 lbs. $2; 5 lbs. 25c. Use it this winter and get eggs when eggs are worth money. Sample and editorial indorsements **FREE.**

The Bennett & Millett Co., Box A, Gouverneur, N. Y.

DON'T PAY A CENT

for an incubator of any kind until you have given it a thorough trial.

Some incubators were never intended to hatch chickens but are only made to sell.

We send you this **VON CULIN INCUBATOR ON TRIAL.**

After you have tested it to your satisfaction you pay for it. So easy to handle any child can run it. **Took First Prize at World's Fair and Medal at Nashville and Omaha Expositions.** We send the largest and most instructive catalogue published for 5 cents.

Plans for Brooders and Poultry Houses, **25c.** **VON CULIN INCUBATOR CO.** No. 2 Adams Street Delaware City, Del.

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STANDARD POULTRY GRIT OF AMERICA.

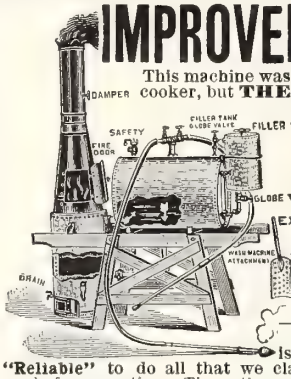
THE PERFECTION SHELL MAKER AND GOLDEN YOLK PRODUCER.

White Quartz, 58 p. ct. DIGESTER. **Aluminum, 20 p. ct.** SHELL MAKER. **Iron, 12 p. ct.** YOLK MAKER. **Magnesium, 10 p. ct.** SHELL MAKER.

Seventh Year of Successful Introduction.

For Sale by Sprague Com. Co., Darling & Co, F. S. Burch & Co., Chicago.

IMPROVED RELIABLE FEED COOKER



This machine was designed and constructed not with the idea of putting a cheap cooker, but **THE BEST COOKER UPON THE MARKET.** That we have succeeded fully is evidenced by the experience of the users of the "RELIABLE." We quote one here:—

Fletcher & Coleman, Importers and Breeders of Percheron and French Coach Horses.
Meadowbrook Farm, Wayne, DuPage Co., Ill., Dec. 3, '98.
Rippley Hardware Co., Grafton, Ill.

Gentlemen—We have given the Cooker a thorough trial and cheerfully pronounce it most satisfactory in every way, fully meeting every claim you have made for it. It is economical of fuel, easy to operate and does its work very quickly. Besides heating water and steaming fuel for 50 horses we are cooking feed for 300 hogs. We have never seen its equal. Yours truly,

FLETCHER & COLEMAN.

We make further claims in our circulars why the "Reliable" **"Reliable"** is the best cooker on the market. **We positively guarantee the** to do all that we claim for it. The cut gives a very good idea of our cooker set up ready for operation. The entire cooker (except smoke stack) is made of galvanized boiler steel, all principal parts are riveted and it is so equipped with safety valves that it cannot possibly blow up. Burns wood, coal, cobs, coke, &c. Made in two sizes. Write for circulars, testimonials, prices, &c.

RIPPLEY HARDWARE CO., Box 11, Grafton, Ill.

A Bone Cutter That Cuts.

Most Bone Cutters *grind*—or cut poorly if at all. To feed fowls properly you need to feed green bone. To feed green bone properly you need to run it through a Bone Cutter that *cuts*. The ***WEBSTER & HANNUM GREEN BONE CUTTER*** (made by us) cuts green bone, clear meat, and gristle—without freezing—as fine as meal or even salve. All about it in our new, valuable, 50-page book, "How to Make Poultry Pay," sent free on request.

E. C. STEARNS & COMPANY, Box No. 55, Syracuse, N. Y.

Mfrs. Bicycles and Hardware Specialties.

EMPIRE STRAIN WHITE PLY. ROCKS.

No Culls. Eggs and stock all the year.

B. P. Rocks, Buff Wyandottes, Buff Cochins.

Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

E. M. DURHAM, La Plata, Mo.

BUFF ORPINGTON'S welcomed to America.

England's most popular fowl. Wonderful egg producer. Madison Square, N. Y., 1st pen, 3rd and 4th pullets. Boston, 1st cockerel, 1st pullet. Mt. Gretna, Pa., 1st cock, 1st hen, 1st cockerel, 1st pullet. Catalogue tell the others. Eggs from imported stock. $3.00 per 13, $6.00 per 30. White Wyandottes and Buff Rocks $1.50 per 15, $3.00 per 30. Stock for sale. Satisfaction guaranteed. Circular free.

C. E. VASS, Washington, N. J.

Welch's S-c. B. Leghorn. Prize Winners . . . Wherever Shown.

Celebrated Brace and Walling Strain.

Have bred them 7 years. None better. *Chicago Winner*, cockerel in 1898 to head my yards mated to pullets scoring not less than 93. As a cock he won 1st prize at Cent. Mich. show 1898, score 93½. Breeding stock for sale at reasonable prices. *Eggs $2 per sitting from pen No. 1; 2 for $3.50; 3 for $4.50* From other pens, *$1.50 per sitting; 3 for $3.50.* *Satisfaction guaranteed.*

J. C. WELCH, WEBB CITY, MO.

REV. JOHN HUGHES, Table Grove, Ill.

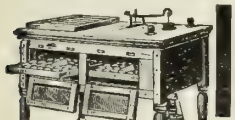
White Plymouth Rocks.

Also Barred Plymouth Rocks and Buff Cochins. Stock as good as the best—no exceptions.

Raise Fall Chickens.

Eggs from good BROWN LEGHORN and BARRED PLYMOUTH ROCK Fowls, $1.50 per 13. Egg Circular FREE.

H. B. GEER, Nashville, Tenn.



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are sold under a positive guarantee to be perfect hatchers and brooders. These are among the reasons why—Because the Incubator is perfect in the proper application of heat; because it is perfect in ventilation; perfect in control of moisture; perfect in size of egg chamber and has a perfect nursery for chicks just hatched. This same degree of perfection applies to the Brooder also. This incubator is **packed with asbestos** and completely **incased in iron**, making it **fire proof** and impervious to sudden changes in temprature. Made in several sizes, from 50 egg up. Don't buy an incubator or Brooder until you get our FREE book, "ILLINOIS."

J. H. JONES, Box 55, STREATOR, ILL.

"IDEAL" BONE CUTTERS WITH ROLLER BEARINGS. FREE CATALOGUE

INCUBATOR BUTTON · CHAPMAN MFG. CO. WEST UPTON, MASS. · No. 7. DRINKING FOUNTAIN · GRAIN ROLLER · BOX 813

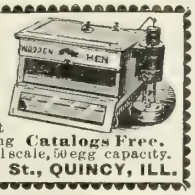
Hatch CHICKENS

WITH THE EXCELSIOR INCUBATOR

Simple, Perfect, Self-regulating. Thousands in successful operation. Guaranteed to hatch a larger percentage of fertile eggs at less cost than any other Hatcher.

WITH THE Wooden Hen

Most efficient small incubator ever invented. Perfect in every detail. Just the thing for poultry raising on a small scale, 50 egg capacity.



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ROUP CURE GUARANTEED, ROUP

CONKEY'S ROUP CURE—the only remedy positively known to cure Roup in all its forms as long as the fowl can see to drink. Simply put the cure in drinking water and the fowl will take its own medicine. **For Canker**, especially in pigeons, this remedy excels all others. One 50c package makes 25 gallons of medicine. **Directions** with every package. If this fails to cure we refuud the money. Postpaid, small size, 50c; large size, $1. Petaluma Incubator Co., Petaluma, Cal., Pacific Coast Agents.

AGENTS WANTED. G. E. CONKEY & CO., CLEVELAND, OHIO.

Please mention this paper. Do not send stamps.

RIGG'S LINE BRED 1874 SINCE HOUDANS

STANDARD OF HOUDAN EXCELLENCE IN AMERICA.

Breeding Stock. Am prepared to supply extra choice young stock, sired by "St. Elmo," also by "Imp" and by sons of "St. Elmo."

Exhibition Stock. Owing to my engagements as Judge I shall not exhibit the coming season. Can furnish winners.

Sec'y American Houdan Club. **THOS. F. RIGG, Iowa Falls, Iowa.**

THE COMBINATION INCUBATOR

is the latest and best thing out, made by the oldest and most reliable incubator factory in the U. S. We call this the incubator of our life, because we have had to accomplish two hard things in making it, best quality, lowest price; either one singly is easy; both combined—well, we do not need to say it was hard to do. But we have done it. If you are interested write for particulars. Book on roup, how to cure and prevent, 50 cts. Testing and hatching chart, $1; both at once, $1.25. 100-page catalogue of incubators and brooders, 5 cts. or stamps

J. L. Campbell, West Elizabeth, Pa.

Poultry That Will Samples and Printing Give Returns Prices Free.

B. F. HUNTINGTON, Platteville, Wis.

LOOK! 140-acre farm, 1500 cords wood and timber; keeps 20 head of cattle; can set 2000 sugar buckets; 12 room house, large barns, new sugar house, running water, lot of fruit; R. R. village, academy 3½ miles. Price $1100. Gunn & Co., "The Hustlers," Marlboro Depot, N. H.

Buff Plymouth Rocks.

Pure Nugget Strain Only.

Indiana State Fair Winners, 1898—won 1st cock, 2d cock, 2d breeding pen on four entries. My this years breeders for sale. Some fine hens, 5 choice cock birds, extra fine in shape and color, grand under-color. Prices low to make room for young stock. Young stock after Sept. Member American Buff P. Rock Club.

MRS. E. I. REYNOLDS, Haskells, Ind.

D. F. TAYLOR,

"The White Rock Man."

Thirteen years a breeder of "The Empire Strain" of White Plymouth Rocks and White Wyandottes, the two best utility fowls. Winning more firsts and specials on these two varities than any breeder. Quality regulates prices. Poor health compels him to offer his entire stock for sale without reserve. Address

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Pekin Ducks and Live Pigeons WANTED.

Highest market price—no commissions charged, no deductions. Coops furnished free. Stamp for reply.

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The Weekly American Bee Journal Tells all about it.

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Pouters, Archangels, black, white and blue Fantails, black, white, blue, yellow Muffed Tumblers, Black and Red Magpies, Red Jacobins, Black Trumpeters, Black Swallows, yellow and light blue Helmet Tumblers. I just received 24 prizes on 25 pairs of my pigeons at the largest poultry and pet stock exhibition held in the West at Cedar Rapids, Iowa, 500 pigeons in competition. I also won the Niles special prize and sweepstakes for finest collection of fancy pigeons. Prices way down. Address

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Home of the Famous

National Strain of Mammoth Bronze Turkeys,

which have won more first prizes in the past four years than all competitors combined. That too in the hottest of contests. They won **SWEEPSTAKES** at the great **SILVER CUP SHOW** at Kokomo in a class of **TWENTY-TWO BIRDS.**

A clean sweep at Indianapolis great show—1st on young tom; 1st, 2d and 3d on hen; 1st, 2d and 3d on pullet; 1st on pen and special prize for best display. January, 1899, highest honors at four other shows.

In four shows these birds won as follows: **GRAND SWEEPSTAKES TWICE; GRAND SPECIALS FIVE TIMES! FIRST PRIZES 11; SECOND PRIZES 10; THIRD PRIZES 4 and FOURTH PRIZES 3.**

These birds scored as high as 97½ by Pierce. We have young stock for sale from these birds which are sure to produce prize winners. We have satisfied customers in every State and Territory in the Union and in Canada, Australia and many South American Republics. Ask for circular and prices.

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Send at once for Free Illustrated Catalogue of Turkeys, Chickens, Ducks and Poultry Supplies.

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1st Prize Pullet at New York.

Four Years in Succession, was the most remarkable ever achieved in the realm of poultry exhibitions. This record is by many points the highest ever accomplished in the **Annals of the New York Show, winning** during **four years in succession more than three times as many First Prizes** as any other exhibitior and **as many First Prizes as ALL COMPETITORS COMBINED,** including the **Superb Challenge Trophy,** value $100, for best cock, cockerel, hen, pullet and exhibition pen; **$100 Silver Cup** for finest exhibit; **Grand Special Prize, Sweepstakes Cup,** value $100, presented by the president for the best Plymouth Rock cock, cockerel, hen and pullet, **any variety.**

My Clean Sweep in 1895 of 1st, 2d, 3d, 4th and 5th on Pullets

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The Phillipines are ours! Cuba is free!
Vast armies must be paid, and you meet the taxes laid,
By breeding Burdick's Nuggets, "don't you see?"

They are the winners at all large shows. Chicago, '99, included. I offer my this season's breeders—125 yearling hens; 30 cocks; 500 youngsters; show birds to win with. Prices right. Treatment square. I do not exhibit; my customers do and win. Write

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Are the leading strain in America. Winning highest honors in America's greatest shows, Madison Square Garden, N. Y., and Boston, 1898-99.

Large Stock of Fine Exhibition Birds in both Old and Young For Sale Cheap.

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White Plymouth Rocks

won 1st, 2d and 3d prizes on cockerels, 1st on pen and the American White Plymouth Rock Club Cup—the most coveted White Rock prize offered.

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First prize cock, first prize hen, first and second prizes cockerel, first prize pen. Second prize pullet was won by my birds. It takes the best matings to produce winning cockerels. I have over

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at prices that will sell them. Send for circular.

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If You are Looking

for some promising young

Barred Rocks and Brown Leghorns

for exhibition or breeding purposes, or yearling breeders of rare merit, it will be to your interest to write me.

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We offer, for 60 days only, 75 head of our past season's breeders at half price. These are grand birds which could not be bought till after we had used them—a chance in a life time. Eggs from our grand matings of Golden and Whites balance of season $1 50 per 15. We also breed Sebrights and Buff Laced Wyandottes. We have won nearly 100 prizes at New York in five years; thousands of other prizes at the largest shows. Large circular.

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Breeder and Proprietor,
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Exclusively.

My stock is a combination of Bradley Bros. and E. B. Thompson strains, grand in size, color and shape. Also two pens headed by prize-winning cockerels of that magnificent Knoxdale strain. Every bird in my yard is a grand individual and of the best blood in the world. Eggs, $2.50 per 15. Stock sold on approval.

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You Will Find It on Page 411. Don't Miss It.

Vol. 30. *October, 1899.* *No. 10.*

AMERICAN POULTRY JOURNAL

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EXPRESS PAID on stock and eggs on farm-range W. Wyandottes, Bar. P. Rocks, Buff Leghorns, R-c. W. Leghorns. Eggs $1.50 per 15; $2.50 per 30; $5 per 100. Address all orders.

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My yards contain the winners from Dubuque and Galena, Poultry Shows, Dec. '98. At Dubuque 1st cock, 1st hen, 1st and 3d cockerel, 2d and 3d pullet. At Galena 1st cock, 1st hen, 1st, 2d and 3d cockerel, 2d and 3d pullet, and 1st and 2d pen scores, 90 to 93¼. Eggs $2. per 13 straight.

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213 Egg Strain W. Wyandottes.

Prize Winners and Heavy Layers combined.

Pullets will be scarce; prices will be high. One year old hens make the best breeders. I have a few to spare. I also have the most promising chicks I have ever had. State just what you want when writing.

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Will give my time to White Wyandottes hereafter. 15 yearling hens, 1 cock; also a choice lot of pullets and cockerels. Write for special prices for the next thirty days.

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Breeder and shipper of the following:

Light Brahmas, Buff Cochins, Barred Plymouth Rocks, S. L. Wyandottes, White and Golden Wyandottes, Black Minorcas, Silver Spangled Hamburgs, R-c. W., R-c. B. and S-c. B. Leghorns, Buff Turkeys. Eggs in season.

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Eggs from choicest matings for sale. Barred Rock, $2 per 15; $3.50 per 30; $5 per 50. Duck eggs $1 per 12; $3 per 50; $5 per 100. Write for catalogue of stock.

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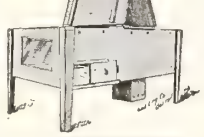

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Grown in Minnesota that will stand any climate.

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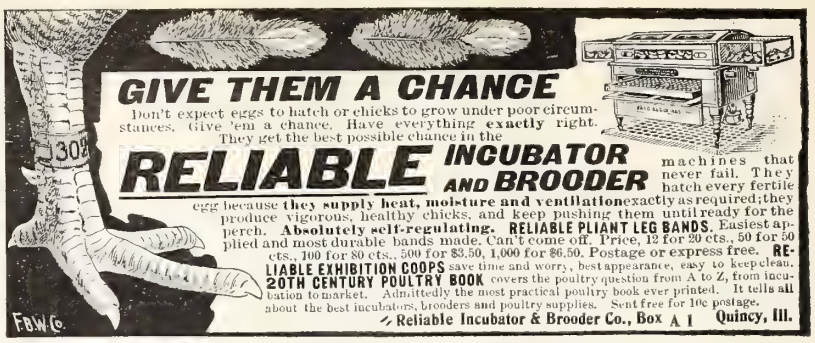

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Filling orders for eggs and stock from our high class of Houdans, B. P. Rocks, W. Wyandottes, W. P. Rocks. Write your wants. We will use you right, for we believe its right to do right. Eggs balance of season, 13, $2; 26 eggs $3.50.

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Millet Seed $1 per bu.; 10 bu. $7. A. J. BARGAHISER, Prop.

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Heimberger's Langshan Youngsters

are now ready to ship and they are better this season than ever.

I'll Sell them to You at Less than they are Worth

until my flocks are reduced. These birds are from my magnificent prize winners that captured two silver cups in two weeks at two big shows last season. Write me what you want in the way of stock and don't put if off too long, for surplus birds are going fast and the supply will not equal the demand.

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America's Business Hen.

As the result of nearly 20 years continuous study and careful attention to their breeding and selection, they stand to-day unexcelled in standard qualities; unequalled in size, strength and vigor, and acknowledged everywhere **THE WORLD'S GREATEST LAYING STRAIN OF SINGLE COMB WHITE LEGHORNS.**

The present season's offering consists of over 1000 choice birds, comprising most of my fine stock of 1898 hatched hens, together with a grand lot of this season's fine, strong, early cockerels; altogether one of the best lots ever offered from my yards. Prices very low, quality of stock considered, and anyone in need of either single birds, pairs, trios, or any sized breeding pens, will make no mistake by investing here. Can furnish cockerels and hens not closely related, or the same not related to former stock sent out from my yards. When convenient for them to do so I shall be pleased to have intending purchasers visit my yards and examine stock before buying. When writing please state, as near as possible, the number and quality of birds wanted.

Large illustrated and descriptive circular free. Address

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It is well known to readers of the newspapers that prices generally have been advancing steadily here of late, including those for labor, lumber and metals of all kinds. As a result the prices of all manufactured articles must soon follow suit, including the prices of incubators and brooders. This simply cannot be helped; there is no way of getting around it. The Cyphers Incubator Co., Wayland, New York, therefore, hereby gives notice to interested persons that so soon as their new catalogue and price list for 1899-1900 is issued, which will be about Nov. 1st to 15th, the prices of their incubators and brooders will be increased fully 20 per cent. All who think favorably of buying a strictly first-class incubator this fall or next winter will find it much to their advantage to immediately correspond with the Cyphers Co., in order to obtain what is wanted at the present low prices. The fact is that the Cyphers Co. is in a position, just now, to save a limited number of customers from $7 to $18 net cash, on single orders for incubators and brooders, depending on the size of machines bought. Write to-day for full particulars.

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At New York State Fair, 1899, my Minorcas won **FIRST COCK, FIRST COCKEREL, FIRST PEN, SECOND HEN** and **SECOND PULLET, ON FIVE ENTRIES.** An unbroken line of prize winners for the past nine years, including **MADISON SQUARE GARDEN,** with birds combining large size and deep lustre of plumage, has made my strain popular. I have a few prime hens and a grand lot of young stock to sell. **COCKERELS A SPECIALTY.** Mention A. P. J. and get circular.

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Exhibition Barred and White Ply. Rocks, and Mammoth Bronze Turkeys.

At Paxton, Ill., show, Nov. 29 to Dec. 2, '98 I won 6 regular and 5 special premiums; 1 special of a $25 Poland-China pig for best pen of Barred Rocks on Exhibition; 1 special for 10 highest scoring B. P. Rocks in show, 110 B. P. Rocks on exhibition. B. N. Pierce, judge.

EGGS, $2.50 PER 13; $5 PER 30.

No more stock for sale until Nov. 1, '99. Satisfaction guaranteed. Farm raised; free range. Reference, Champaign National Bank, by permission. Mention American Poultry Journal.

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Can Win the Blue Ribbon for You.

IT DOESN'T PAY TO TAKE CHANCES when a sure thing is within reach, and if you are willing to be guided in buying stock by records and plain, truthful statements, send for a copy of my catalogue. It is free and explains to you why

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Sec'y-Treas. American W. P. Rock Club.

BUFF

Cochin Bantams.

That are winners. Bred in line from winners.

No Eggs. ***CLARENCE HENDERSON, Springfield, Ohio.***

I Breed

Barred Plymouth Rocks,

WINNERS AT WENONA—1 ckl.; 3, 4 pullet 1 breeding pen.

Pekin Ducks and Buff Cochins.

Stock and eggs in season. All inquiries promptly answered.

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GROVER & GROVER,

OF CONCORD, MICH.,

have a grand lot of youngsters for sale from their great Chicago winners,

WHITE AND BUFF PLYMOUTH ROCKS, and Black Javas.

Send for records.

$100 Cup for Best Legborn Cock Hen, Cock'l and Pullet at New York

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BROWN LEGHORNS, ROCKS Buff and White.

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Eggs for Hatching, $2 per 13.

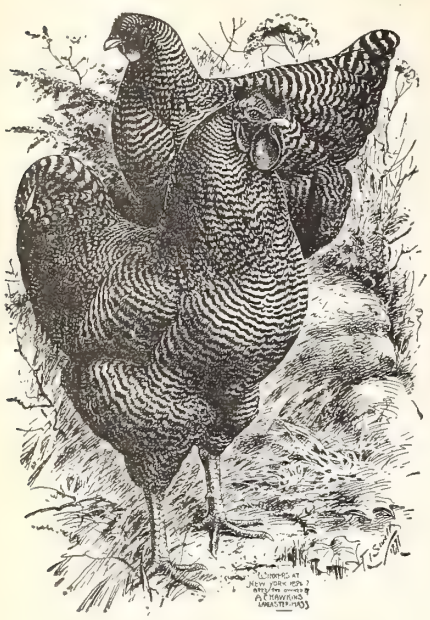
Barred Plymouth Rocks.

Four Great Matings, headed by Prize Winning Cockerels.

EGGS FROM THESE YARDS, $2 for 15.

Correspondence solicited.

T. W. McCLURE, Carey, Ohio.



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HAWKINS'

ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER WHITE AND BUFF.

SHOW BIRDS
THAT CAN WIN IN ANY COMPETITION.

Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1899 have proved a grand success.

At the Great National Show, WASHINGTON, D.C., in **hot competition** with over **300 birds** of these varieties, the best that could be found regardless of price, I won **45 Regular and Special Prizes on 39 Entries,** including **First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockeral in the show** (Bantams excluded), and this on my **First Prize Barred P. Rock Cockerel.** My winning White Wyandotte cock was pronounced by the judges to be the **best they had ever seen.** I won twice as many first prizes as **all other exhibitors** of these varieties. My **BUFF ROCKS, at BOSTON,** 1899, in hot competition, won **more first and special prizes than all others.** My customers are winning all over the country. If you want the **BEST,** write me. Hundreds of **Choice Exhibition** and **Breeding Birds at honest prices.** Catalogue of America's finest **Plymouth Rocks** and **Wyandottes free.**

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Houston's BUFF ROCKS.

The Kind Your Grandchildren Will Raise.

Elegant youngsters among the 400. You will need some of them this fall.

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Forest Hill Poultry Farm.

BUFF

Wilson's Buff Ply Rocks are world renowned winners. They are line bred, and show strength of blood in progeny. Customers are like successful in this country and England. If ambitious to lead, let me aid you also, with birds or eggs.

EGGS $5 for 13; $8 for 26; $10 for 39.

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We have raised 300 chicks this spring, all sired by the first prize cocks and cockerels at Chicago and Detroit shows, '98 and '99, that will be ready for fall shipment. Now is the time to buy choice breeders. Send for circular. Smith strain is the best. Get the best. We keep them.

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The Kind that Stay White.

WHITE WYANDOTTES — Especially strong in color—the stay white plumage—combs and size.

PEKIN DUCKS — Our Ducks are extremely large, with deep keel and the much desired Standard beaks. They are long bodied and white—pure white. Breeding and exhibition stock always for sale.

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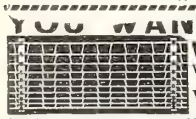

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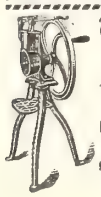

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Send for circulars and testimonials.

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Entire stock, consisting of 2d cock at Pittsburgh, '98; 1st ckl. at Columbus, '99, and 21 hens and pullets, scoring to 94½. Many are solid buff throughout. Will sell in block or singly at a bargain.

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BUFF ROCKS and COCHINS.

Winners Wherever Shown.

Fine breeding and exhibition stock for sale. Owing to lack of room, have decided to close out my Buff Cochins. Prices reasonable and satisfaction guaranteed.

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● ● ● Phœnix Poultry Yard. ● ● ●

Saturday, Feb. 4th, I had my entire stock of Lt. Brahmas, Blk. Langshans, S. L. Wyandottes Buff, Barred and White P. Rocks scored by Chas. McClave and as a result found 96 birds that run from 90 to 94. I have several that score 94½ by such judges as B. N. Pierce, F. J. Marshall and W. M. Clark. Examine my show record at Cincinnati and Portsmouth, O. Write me for prices on stock and eggs. Satisfaction guaranteed. Ten for a hatch or duplicate at half price. Chicks two weeks old 25 cts. each.

MRS. J. H. OREBAUGH, Box 7, Batavia, Ohio.

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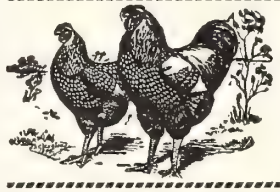
121 Prize at three Chicago Shows, besides State Silver cup and grand specials.

For the coming season I have mated 6 pens of Barred Plymouth Rocks, both Cockerel and pullet matings; each pen headed by a high scoring Cockerel. 3 pens White Plymouth Rocks. 2 pens Buff Plymouth Rocks, Silver Laced, Golden, Buff and White Wyandottes, Light and Dark Brahmas, Buff and Partridge Cochins, Black Langshans, Houdans, B. Minorcas, Black and White Polish, Buff and White Cochin Bantams, M. B. Turkeys, Toulouse Geese.

Satisfaction guaranteed. Write for Catalogue.

J. I. DeLANCEY, Elgin, Ill.



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Golden, Buff and Partridge.

Winners at Chicago, Washington, D. C., Davenport, Iowa, The great Mid-continental, Kansas and Nebraska state shows. Stock and eggs for sale. Eggs $1 for 13. Send stamp for catalogue to

W. A. DOOLITTLE, Box 399, Sabetha, Kans.

Buff Leghorn Eggs

from pens headed by cockerel 92¾ and females from 91¾ to 92¾ . . . . . .

SOLID BUFF, no white or black in plumage.

All Customers Satisfied and $2 for 15 Good Hatch Guaranteed.

WILLIAM RUDI, - - - - - Bourbon, Indiana.

Turkeys *the Mammoth Bronze.*

Early 1899 hatched gobblers during the month of October at **$2.50 Each.**

$3.00 Each after Nov. 1st.

Satisfaction guaranteed. Mention A. P. J. Address

G. N. KERSTEN, Chilton, Wis.

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American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.

Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.

VOL. 30. CHICAGO, ILL., OCTOBER, 1899. NO. 10.

THE FANCIER IN THE POULTRY YARD

BY THOS. F. RIGG.

Our article this month should be headed "The Fancier in the Tent," instead of the "Fancier in the Poultry Yard." Just at present I am engaged in reducing the chicken crop, not in building up and increasing it.

Our tent is pitched out on the South Dakota prairie, twenty-four miles from Plankinton. For several days we have been enjoying splendid shooting, and the daily bag of prairie chickens has been a big one. I am writing this by the light of a torch. The other members of the party are rolled up in their blankets—sleeping soundly, and, perchance, dreaming of the feathered pets at home. My loved and faithful pointer, "Snap," is by my side, his head resting upon my knee. I have been talking to him about our chickens and fowls at home and he seems to understand, and I know that to-night he is just as anxious to see the home yards and birds as I am.

I am sending a letter home to-night—home to the man who is caring for my stock during my absence. He is a good and faithful helper, but I am sure there are many details he will overlook in his care of the stock, the growing chicks, the breeding and exhibition birds. Each fancier who reads these lines will understand, for every fancier knows how hard it is to have stock taken care of *properly*. I am telling this man to keep a good look out that the young stock is properly cared for at night. The nights are very cool out here, and are so, in general, all over the country. The chicks must not be exposed to damp quarters, or be subjected to the strong and cool night breezes.

There ought to be no more chicks in a brood coop than the coop will hold—that is, the chicks should not be forced to sit outside the coop on the cold, damp ground, in the cold wind. It is during these fall weeks that chicks which are properly cooped and fed make grand and rapid growth. As previously stated, it is a serious mistake to hustle the young stock off the range and into confined quarters at the first approach of fall. But now special attention must be given to the night quarters of the chicks. See to it that they are properly cooped at night, and leave them there as long as possible.

THE PULLETS.

Some days ago I received a letter from the manufacturer of a well known poultry food. He informed me that his food would induce early laying, and sent statements from several breeders, who testified that by the use of this food they have forced their pullets to lay at from three and a half to four months of age. Well, if these gentlemen are telling the truth, I want none of this particular poultry food. I would not want to thus force to laying the pullets I shall breed from next season. Pullets thus forced to lay will give very poor results as breeders. Do not be too anxious to secure eggs from the young stock which are to occupy the breeding pens next year. Push these pullets for growth of frame—bone and muscle—and do not give them any—not one bit—of any egg food. It is easy to make pullets lay when they have been grown properly. See to it that the pullets are kept growing, without a stop, and then, next January, when you mate up the pens, you will have pullets which are properly matured and which will respond readily to the demand for eggs. It is this kind of pullets which will give eggs every day during the breeding season. And these eggs will be of the hatching kind.

HOME-LIFE IN THE POULTRY YARDS.

View of the Latest Practical Poultry House constructed by D. J. LAMBERT, Apponaug, R. I., engraved expressly for AMERICAN POULTRY JOURNAL, to illustrate the idea of the actual and practical workings of the business. This original series will be continued through the year.

DISEASES OF POULTRY.

This series of papers on the prevention of disease, the care of fowls, the preservation of health in the flock, and the general conservation of energy in breeding poultry, is written expressly for AMERICAN POULTRY JOURNAL by DR. N. W. SANBORN, Wellesley Hills, Mass.

ANAEMIA.

By this I mean a general condition of the body due to an impure or diseased state of the blood. The microscope shows a less number of red corpuscles. The comb and wattles are light red or even yellow. Anæmia is caused by the lack of proper food, air or sunshine. To be sure, the absence of air or sunshine may cause other diseases than anæmia, but even though the birds do not contract other disease anæmia will upset any cherished plans of profit. Bad air or no direct light will without doubt produce indigestion, but it is by the indirect road of anæmia.

The scratching-shed plan provides sun and air in abundance, and with sufficient food anæmia will seldom be seen. An anæmia bird is tough, hard to digest, and not fit to be sold for food. If birds are anæmic, study to know the cause of the trouble and remedy it. If the birds need better air, more sunshine, a different bill of fare, supply those needs. Clear out all filth from the houses and keep them sweet; get all cobwebs and dust off the glass, and let the sun shine in to help sweeten the house; and lastly, feed a well-balanced ration, even though it costs more per day—the returns to you will be more than before. Tonics will help, but you must clean up and feed right before giving drugs. There is nothing better for a tonic to pick up sick anæmia birds than nux vomica and tincture of iron. One teaspoonful tincture iron and ten drops tincture nux vomica to each quart drinking water, given in earthen vessels, will tone up and help digestion. Anæmia is not seen so often to-day as it was ten years ago, and it is a disease more of the small city flocks than of the poultry plant.

VERTIGO.

This is dizziness of the brain, causing the bird to turn round and round. The cause of the dizziness is brain pressure or irritation from some abnormal condition of the digestive system. Fright has produced vertigo in some flocks. Vertigo is most often seen in overfat, unhealthy birds. When an attack begins the bird first elevates its head, turning it as though it was attempting to look skyward with one eye, walks around in a small circle, and if the attack be a severe one will fall to the ground and lie there, with twitching of the muscles. A laxative of castor oil, and keeping on a mild, unstimulating diet will remove the cause and probably restore the bird to health.

CHOLERA.

Cholera is a disease that we, in the East, rarely see in the true Asiatic type. Cholera is an epidemic disease, highly infectious, showing itself by inflammation of the mucous surfaces, and always has present diarrhœa. It is commonly met in the hot, damp days of the year, with birds that have had poor care, filthy surroundings or unhealthy food. It is in such yards that cholera begins, as begin it must, and as you might expect from the description, it gets well under headway before the owner realizes what he has on hand. If the danger stopped right there we could view this disease more calmly, but a single case of cholera is a menace to every bird for miles around. If your neighbor has cholera in his flock you must severely quarantine not only the birds but also the people of his farm. It is easy to carry cholera from place to place, for even the droppings from an infected bird, brought on the shoes, has been known to start a fresh outbreak in healthy birds miles away from the first appearance of the disease. Age, condition, breed makes little difference, unless it is, as it seems to be, a fact that the more vigorous birds contract cholera more certainly and die more surely than weaker birds. This disease is uncommon in cold weather; a solid freeze putting a stop to its progress more certainly than medicine. When the germs of cholera are in a poultry yard a thaw in mid-winter often occasions a fresh outbreak. Bowel disease of any character, especially if birds are dying in large numbers, should be looked at with suspicion, and birds securely quarantined, whether it be your own or your neighbor's flock. Cholera is a rapid disease. From the first symptom to death is a matter of a few days, or indeed often hours. Your bird is seen to be dumpish to-day and the morrow finds him dead. It is important to recognize early this disease, as it is in prevention rather than in medication you will do your real satisfactory work. In the beginning of this disease the bird is sluggish, moves slowly about with little life, is inclined to get in a warm corner of the yard or on the sunny side of a fence and mope. The feathers are ruffled and dull and those at the vent are stuck together by a slight diarrhœal discharge. There is relaxation of the muscles—wings drooping, eyelids partly closing, head held loosely, legs unsteady and weak, bowels discharging without effort. If the bird moves about at all it is to go from the warm corner to the water vessel and back again. As the disease progresses the diarrhœal discharge gets more watery, partly because of the less food taken and partly owing to the spread of the inflammation. The bird grows weaker, can hardly stand, and there is often streaks of blood in the bowel discharge. The mucous membranes of mouth, nostrils and eyes becomes irritated and a frothy discharge appears. The comb changes from the red to a purple or even black color. The post-mortem appearances, as taken from Prof. Hills' "Diseases of Poultry," the best book of the kind we have from across the ocean, are: "Lining membrane of the mouth livid, except toward the outside, which was pale; throat purple and full of sticky dirty-yellowish matter; tip of tongue hardened and partly detatched; eyes sunk deep into the sockets, eyelids emphysematous or swollen; gizzard empty, except a little gravel and thin acid fluid; muscular substance of a deep red color; intestines extensively inflamed, with extravasated blood patches under the mucous membrane; and here and there corrosions. The matter contained in the intestines was of a dirty thin ichorous, or acrid nature; liver deeply congested and increased in volume; lungs slightly congested and pleuritic exudation; heart purplish-red and studded with ecchymose or extravasated blood spots; pericardium contained an excessive amount of straw-colored fluid.

To meet a disease so severe and so rapid in its course requires quickness of action. At once remove every ailing bird to an isolated house. Next, boil or bake every drinking vessel on the plant, and give a general and thorough cleaning to houses and yards. Not to do this is to invite new cases to appear, and doubtless you will see a few even though you do your best. Sweep walls of houses, clean out all droppings and scratching material, including the top inch of soil of the ground of the pens, taking it all away from all runs of chicks or birds, plowing it under the soil if possible. Whitewash houses with hot limewash to which carbolic acid is freely added, going carefully over all surfaces—filling cracks where possible, and not forgetting to give the roosts and dropping boards a good coat of it. If you can, plow or spade the outdoor runs. For medicine, add to each quart of drinking water for sick birds, spirit of camphor one-half teaspoonful, sulphocarbolate of zinc one teaspoonful. To the drinking water of the apparently well birds, to each quart add one-half teaspoonful sulpho-carbolate of zinc. If the diarrhoea is excessive give, morning, noon and night, a pill of Dover's powder of one grain. Beef juice will be the best food, and can be given with a teaspoon. If you are realy careful in housing and feeding your birds, are willing to quarintine all sick or new birds, you will probably never receive a visit from cholera.

CANKER.

Canker resembles in some respects diphtheria, but the constitutional symptoms are always less severe and it is slightly, if at all, contagious. There may be a little indisposition on the part of the bird, with some difficulty in swallowing, food or water. Quite often a bird with canker is seen trying to swallow, as if there was food in his throat, while he in fact is not eating. An examination of the mouth and throat will show one or more patches of cheesy matter. These are thicker than in diphtheria, and careful work will raise an edge of a patch without any bleeding, as in diphtheria, and some ulceration will be seen underneath. Canker is seen most often in cold weather and is more common in birds that have been confined in shipping coops and exposed to the changes of express travel. The old treatment was to dust the mouth and throat with powdered chlorate of potash, but the better plan, to my mind, is to spray thoroughly with Hydrozone (or hydrogen droxide) until all bubbling ceases and then use the powdered chlorate. Tincture of iron, one teaspoonful to quart of drinking water, will prove a good tonic to improve the vitality of birds recovering from canker, as well as to build up the health of the well members of the flock.

Poultry Houses and Fixtures.

Written expressly for AMERICAN POULTRY JOURNAL by E. A. Phelps, Austinburg, Ohio.

A PRACTICAL FUMING BOX.

Lice are without doubt the worst drawback to profitable poultry keeping, and the successful poultryman must needs wage continual warfare against the pests. Dusting the birds with any of the powdered lice killers is well enough if one has but few fowls, but where large numbers of birds must be gone over the undertaking is one of great labor and would necessitate altogether too much time. Liquid lice killer I have found to accomplish the desired results, with much less time and handling. In fact, I believe the proper use of the liquid preparations more thoroughly rids the fowl of lice than any powder I have ever used. Painting the roosts and droppings-boards with such preparations is not alone sufficient to do the business, the surest way being to confine the birds in some reasonably tight receptacle, where the fumes of the liquid may *thoroughly permeate* the plumage.

The accompanying sketches illustrate a box which I have found to meet every requirement, and is so arranged that the fowls stand directly over the preparation without getting their feet into it or their plumage soiled. The box in question is five feet long, two feet wide and two feet high on the inside, and provides ample room to accommodate ten to twelve adult fowls at each fuming. It is constructed of matched lumber, six inches wide. The drawing will plainly show how it is put together. The ends should be made first, formed by four boards, each 24 inches long. These are held together by the end frames, designated A, fig. 2, the front sides of which project seven-eighths of an inch beyond the boards, so that the door shuts against the end boards, and *inside* the end frames. To accomplish this the pieces B B are cut 24⅞ inches long, while the pieces A A are but 24 inches in length. The door forms the front side of the box and should be hinged to the bottom.

The frame C, fig. 1, is made of 2x4, put together as shown, on the top of which is stretched (very tightly) coarse wire screening, such as is used to screen gravel. This frame rests on 1-inch strips and is movable, to slide in and out. On it the fowls stand. Bore ¾-inch holes around ends and back side (say 6 inches apart), and half an inch from the top, and also at the bottom, on the back side only. These holes will admit of a steady current of air from the bottom upwards, and enough air will get in around the door so that it will be unnecessary to bore holes in the front side or at the bottom of the ends.

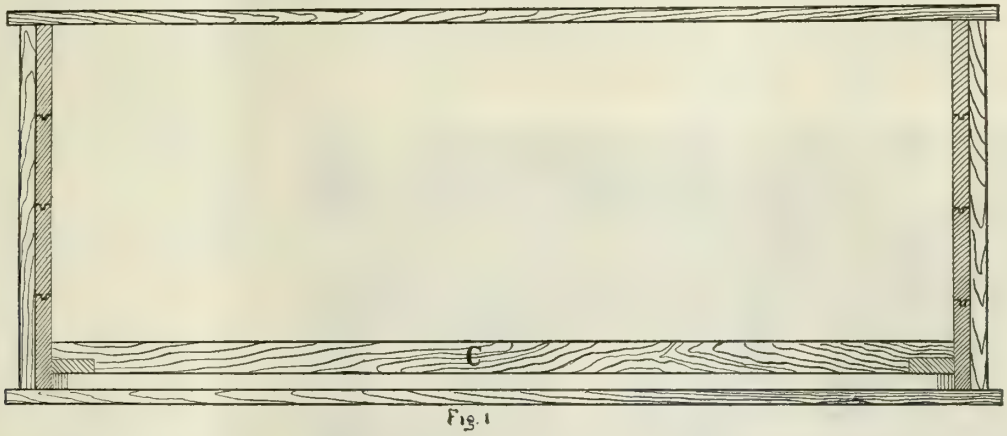


Fig. 1

When ready to fume the birds, paint thoroughly with the lice killer sheets of paper to cover the bottom of the box, and slide them under the screen floor. Put in the fowls and close the door tightly. From half an hour to two hours is sufficient to kill every louse on the birds, after which you are ready for another lot. Remove the papers and behold the lice. Take out the screen floor, clean it and replace. One may have several boxes and complete the operation in a short time, where large numbers of fowls are to be treated.

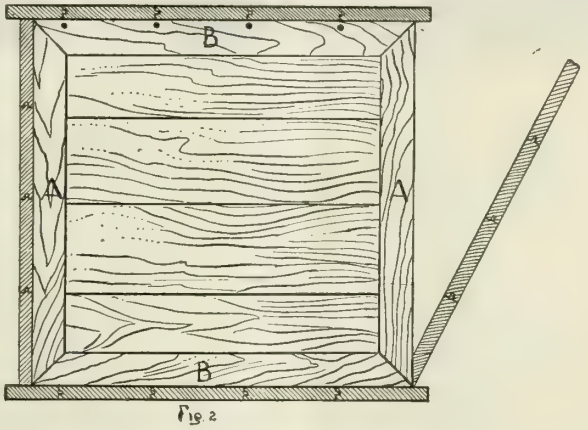


Fig. 2

G. G. Wherry, of Galena, Ohio, writes that he showed his S. S. Hamburgs at the Ohio State Fair recently, with B. N. Pierce judge, winning 1st cock, 1st and 2nd cockerel, 1st hen, 1st pullet, and 1st pen. This was done in one of the hottest classes of Hamburgs ever shown in Ohio.

EGYPTIAN POULTRY ASSOCIATION.

This is not an association on the banks of the Nile, where poultry raising and artificial incubation were successfully carried on four thousand years ago, but the modern improvement on that old system. The Illinois region, embracing the counties of Washington, Peavey, St. Clair and Randolph contains a host of enthusiastic poultrymen. Among these may be mentioned the president of the association, William Plumhoff, and the secretary, A. S. Muller. This year the Egyptian Poultry Association will hold its sixth annual exhibition at Nashville, Ill., December 12 to 15. The organization is well managed and full of energy.

William Plumhoff was elected president by unanimous vote. His specialty is the Golden Wyandotte. He spares no pains or expense in the improvement of his flock. Imported blood is found in his yards, and he is an affable, energetic man. The show will surely be a success under his earnest presidency.

A. S. Muller, of Nashville, Ill., is a native of Holland, and has resided in America since 1870. His hobby is the lordly Light Brahma, and he was the first man in Washington county to buy a pen of thoroughbred fowls. Some of his neighbors thought he was insane to pay the price he did for these birds. But his action was the beginning of a new era there. To-day the farmers are interested, and many are already active poultrymen. Mr. Muller's yards are planted to pear trees, and hence the name: Pear Grove Poultry Yards. The proverbial cleanliness of the Hollanders is shown in the care of these yards.

We urge our readers to join with these intelligent and progressive men in making the Nashville show a success. Send to Mr. Muller for a catalogue.

October in the Poultry Yard.

October is a pleasant month to the poultryman who has been attentive to his duties during the spring and summer. His hens are about through with their moulting and ready to begin laying. The pullets develop red combs and begin to produce eggs and the cockerels show something of what may be expected of them at the shows.

Upon the care given the flock in October depends the profits of the coming winter. They must be housed and protected from the chilly nights and the cold rain. Their feed must be of the proper kind to build them up and furnish egg material.

The flock should be weeded out during October and all that are not right for showing or selling as breeders should be separated from the main flock to become egg producers for market or be sold or disposed of in some other manner.

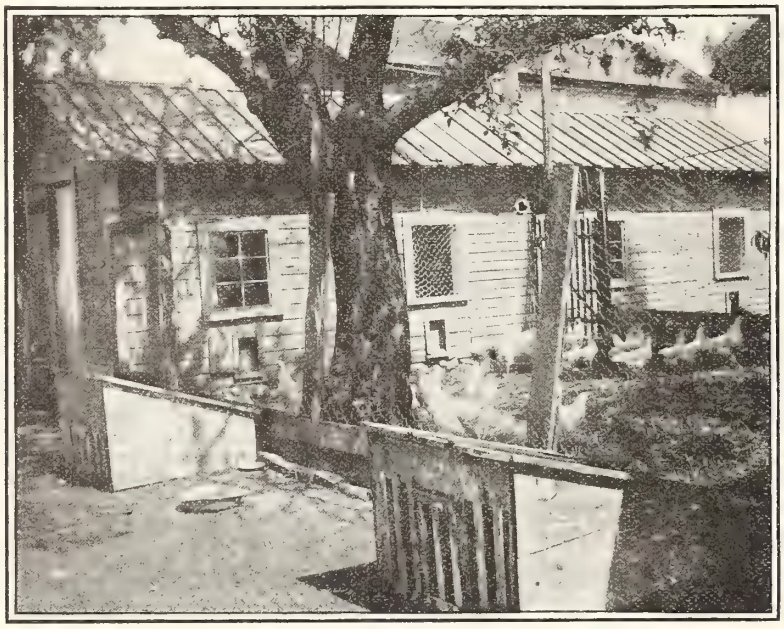
* * *

The young stuff has been a constant bill of expense up to October, so far as the fancier is concerned. A few culls may have been sold for broilers, but it is hardly safe to say that a certain bird will be a cull before that time unless some defect of comb, tail or shanks make it certain. A crooked comb, a wry tail or a false colored shank is always a good criterion to go by in selecting culls, but false colored feathers, undeveloped combs and awkward bodies are defects which time may remedy. With the coming of cool weather the birds begin to take permanent shape and color and the fancier can tell what he is to expect from the year's breeding. As soon as the good can be picked with certainty they should be put by themselves and given extra care and a certain amount of watchfulness in order to select the very best for future breeding, for not very many good breeders care to sell the tops of their flocks.

It is not a bad plan to let poultry take the weather during the warm months. I allow mine to stay out of doors if they prefer to do so. In fact, during the past summer I shut all my hens out of the house and let them sleep in an open shed where it was dry, but where the air could circulate freely. It has been but two or three days since I put them in the house and shut them in until they become accustomed to sleeping indoors again. Where owls or minks and weasels do not disturb poultry the outdoor plant has several advantages, the principal one being that it is easier to keep lice away where the hens sleep out of doors instead of in a close house. With the change comes a change in feeding. They cannot now get out to catch the early worm as has been their practice all summer, and they are now given a little animal food with their grain. I mix a little bone meal with bran occasionally and give to them and they always have oyster shell where they can get it. With the beginning of October dried and ground beef will be fed regularly, as I find it about the best and cheapest egg food I can get. I cannot see that raw bones have any advantage over pure bone meal and the dried and ground beef that I feed, and this is the handiest and cheapest way I ever found to furnish the necessary animal food to hens.

Weeding out a flock is not the work of a rainy day nor of a Sunday afternoon. It cannot be done at one time trying. Every breeder should study the breeds he handles and become familiar with their every good point and train his eyes to detect every failing which the breed is liable to show, for in being able to find the weak points the breeder can by the process of elimination get all the defective birds out of his flock. The first time going over the flock the birds should be given the benefit of any doubt that may arise as to their fitness to keep. After this the flock should be watched until the owner is acquainted with every individual in it and knows all the peculiarities of the flock. Then he will be able to select his breeders and have in his breeding flock that uniformity that brings like result the next year, and if this plan is followed out there will be fewer culls with each succeeding year and his fame as a breeder will spread until a bird that he has bred will be more valuable simply because the buyer knows it is not only pure-bred but has in it the results of skill and patience in breeding. Without this one pure-bred bird is as good as another, and without a determination to make a name that will add value to any bird that he may breed no man can ever become a fancier in the highest and truest sense of the word. The winter is the time when the breeder should give his best attention to the fine points of his business. During the summer he has been rushed with work and has not had time to study his flock. With October begins the period of comparative leisure and every breeder of high-class poultry should begin with the cold weather to try and make his hens lay more eggs in winter and he should make it his business to know which hens of the flock produce the most eggs.

MILLER PURVIS.



HOME-LIFE IN THE POULTRY YARDS.

View of a portion of the houses of GROVER & GROVER, Concord, Mich., showing some of their famous White Rock chicks, bred from their winners at the great Chicago Exhibition, 1899. Engraved expressly for the Practical Illustration Series in AMERICAN POULTRY JOURNAL.

THE LE MARS (IOWA) SHOW.

I had the pleasure of passing judgment on some 600 birds at Le Mars, September 5 to 8. The various classes were well filled.

The feature of the exhibition was in one alley—White Wyandottes.

G. A. C. Clarke, of Le Mars, and J. L. McCorkell were the leading exhibiters and had things all their own way. Here were some grand white and "stay white" specimens. These gentlemen have exceptionally good stock, and will be able this season, as in the past, to supply in this extra choice breeding or exhibition birds.

Here I found the best Pekin ducks I have handled for years. They were the collection shown by Mr. McCorkell. I have never passed upon their equal in the West. They are the peat big, deep keel, grandly shaped specimens. They are Mr. McCorkell's pride. He breeds right, and, as a result, has built up a strain of Pekins equal to the best in the East. Every bird he showed was standard in beak—and every Pekin breeder knows the great value of such a strain.

The single-comb White Leghorns shown by Mrs. J. J. Buchan, Parson, Iowa, were fine in color and size. They were the profitable kind—the kind that combine utility and standard requirements. Mrs. Buchan has been breeding but Light Brahmas for years. She has bred them a little too dark, but otherwise they are exceedingly fine. I thought how some of these rather dark specimens she had would help the breeders who are striving for neck and wing points. Mrs. Buchan is a true fancier and can supply grandly bred specimens of her Light Brahmas and Single-comb White Leghorns.

John A. Heutges, Le Mars, made a fine exhibit of Pit Games and Black Cochin Bantams. He will serve all customers well.

THOS. F. RIGG.

Questions and Answers.

JUDGING POULTRY.

Editor American Poultry Journal.

Where can I get a Standard for poultry, so I could judge fowl, and what is the price? In using the colony plan for a chicken ranch, how far apart would the houses need to be, and would fifty hens be too many for each house? R. E. C.

Gordon, Neb.

REPLY.—The American Standard of Perfection can be bought of the publishers of American Poultry Journal, and the price is $1. You will not be able to judge fowls from reading the Standard, because the art of judging fowls is one that must be learned from observation and a comparison of the work of experts. The Standard describes the 100-point fowl of each breed and is purposely made so that no bird ever did or can score 100 points. Judging poultry is one of the fine arts, and not the easiest one to acquire. To be a good judge one must have years of experience in breeding and handling pure-bred poultry and must watch competent judges at their work, time and again. The Standard says a certain fowl must have reddish bay hackle feathers and that another must have breast feathers of golden buff, with a distinct lacing of black. The man who never saw a fowl judged does not know what a golden buff is, nor does he understand what is meant by reddish bay. These are things that cannot be described in print and must be learned by actual practice. The Standard describes the Wyandotte shape and the Plymouth Rock shape, but from the description the beginner cannot tell which is which when he sees a fowl. It is not everyone who can learn to judge poultry. If it were easy to do so, every breeder would be a competent judge. The writer has bred high class poultry since 1881 and is not yet ready to begin judging poultry shows, nor does he ever expect to begin. In all that time we have learned a good many things about poultry points, but beyond a general knowledge we do not pretend to go. We know every point of a Brown Leghorn or a Plymouth Rock, because those two breeds are the ones we have always bred, but of Indian Games and a dozen other breeds that are described in the Standard, we know but very little when it comes to the fine points that an expert judge looks for. No one should breed high-class poultry without owning a Standard and it should be studied from beginning to end until the description of every breed it names is familiar. This is the first step toward judging. The remainder is learned by watching judges at work and then if one has the artistic instinct that can differentiate between shades of the same color and appreciate the curves that outline the body of a fowl he may begin to judge poultry with some chance of making a name as a judge.

In keeping chickens on the colony plan the houses do not need to be more than a few rods apart and the fowls will go to their own house to sleep. It depends on the size of the houses whether fifty fowls would be too many or not. Fifty fowls make a very nice flock. Where they have a good run outside a house 10x20 feet is large enough for a flock of this size.

GREEN AND WILLOW LEGS ON INDIAN GAMES.

Editor American Poultry Journal.

Can you give me the reason of green and willow color on Cornish Indian Game pullets? The cockerels come true in color. The yard had three hens and three pullets and a very fine cockerel of good strain. Last year they came true.

REPLY.—The Standard does not disqualify green or willow-colored shanks in Cornish Indian Games, but does disquality solid white or black shanks. This indicates that the willow color is allowable, and the fact that it comes in your yard shows that there is something wrong in the breeding. Pullets are more liable to show such defects than cockerels in all of the breeds. Even at this late day an occasional Brown Leghorn pullet will show the original willow-colored shank, although it has been a good many years since such a thing was allowable. It is probable the Indian Game was a willow-shanked bird at one time and your birds have reverted to the original type. It is a serious defect but not, in our judgment, a disqualification. We think the trouble is in the cockerel you bred to this year.

WHITE IN CAYUGA DUCKS.

Editor American Poultry Journal.

I have bought some Cayuga ducks' eggs, out of which I hatched five. All of them have some white feathers in them mostly on the breast. Is this naturally in the breed or have they been crossed on some white breed. SUBSCRIBER.

Independence, Mo.

REPLY.—Any white in the plumage of a Cayuga Duck is a disqualification, and your ducks would not stand any chance in the show room. It is not always safe to say that a black fowl that shows white feathers is not a pure bred one, as the tendency to albinism is one that always sticks in the blood. We had some Bronze Turkey eggs of undoubted purity that hatched pure white poults and we have known the eggs of Black Spanish fowls to hatch out pure white chicks. Your ducks are not fit to breed, although they may be pure bred. It is possible they come from inbred stock. If so that would account for the white feathers. It shows lack of stamina.

F. I. A., Laurel, Md., writes: "Can you inform me through your journal how soon I must hatch out chicks so that I can get eggs in September and October? I find those two months the worst in the year, and I know I have fine stock of B. Langshans and W. P. Rocks. I keep a record of my hens and give you the record of three Langshans. One Langshan began to lay Sept. 16, 1898, and continued all winter and spring up to May 13, 1899—203 eggs. She was set then and raised a brood of 11 chicks, all her own eggs. Another began to lay Oct. 6, 1898, and continued up to April 9, 1899—129 eggs, and wanted to sit; broke her up and she began to lay May 14 and laid 32 eggs and began to set; broke her up; began to lay again July 22 and laid 19 eggs; wanted to sit and she is now in moult, making for her 180 eggs. Another hen began Oct. 8, 1898; laid 46 eggs and stopped for 27 days; then laid 24 more; set her six weeks; gave the chicks to other hens; she then laid 19 eggs; set her and she raised 9 of her own stock, nice birds, and began to lay today. These three hens were hatched April 4, 1896."

REPLY:—We have just looked back over our poultry record for two or three years and we find that our Brown Leghorns have laid pretty well in September and October. It seems to us that the Langshans of our friend do pretty well in October and if he could get his chicks hatched in February and March instead of later he would not have much trouble to get them to laying by September. We cannot expect eggs from hens a year old or over during these two months as at this time they are molting and will produce but few eggs. A few eggs will be laid during the time of the molt, as not all the hens will molt at one time and once in a while there is a hen that will lay right along while molting. A hen must have about 100 days off in a year to change her plumage, and this time comes from August to December, varying with different hens, some molting early, some late. When we get a flock that will produce 208 eggs each in a year or even 198 we shall be perfectly willing for them to stop for two months and take a rest. Those Langshans are birds to be proud of, and the kind American fanciers are looking for at almost any price.

A GRAND DISPLAY.

Those of us who had the pleasure of seeing the display of Plymouth Rocks at Boston last winter saw, without doubt, the finest display yet presented for public inspection. The long line of coops containing the single birds to the number of 208 was a sight long to be remembered. In addition to this was 23 display or breeding pens, an attractive display in themselves.

No breeders can excel the New England fanciers in preparing for exhibition. Each specimen shown by them can be depended upon to be in the pink of condition. Of this I wish to speak to your readers in plenty of time to enable them to gain all the advantage that comes by honest and fair preparation of show stock.

Each specimen must be perfectly free from all insect life, thereby being enabled to assume the most perfect show condition. Do not for a moment hope to attain perfection of form and feather upon a specimen that is poor in flesh and soiled in plumage. Not one speck of dirt should be found upon any portion of the fowl. Head, comb and wattles must be perfectly clean and all trace of dirt must be washed or scrubbed from shanks and feet. These latter extremities, when free from all trace of dirt, can be improved by a dressing of sweet oil slightly colored with butter color, not more than 3 or 4 drops of same to an ounce of the oil; too much of the color will die the legs or overcolor them.

Specimens of quality quite sufficient to enable them to compete in displays like seen at Boston can be found in many localities; all they need is care and preparation. Study this part of the show business so that whenever you may conclude to enter your stock you will feel assured that none will excel them in show condition. The White Rocks at Boston were as clean and free from dirt as a well laundered collar. They looked as fresh and clean as new fallen snow. This brings a double advantage; while being washed and when the plumage is wet, if there is a single dark spot in same it is quite readily seen. A black spot in the plumage of a white fowl will show as plainly when same is being washed as a black spot on a shirt front. This enables the exhibiter to see it first. All who are interested in White Rocks should take advantage of the large offerings in Special Prizes made each winter at Boston and prepare their best and go after the money. We saw some at Chicago last winter that might have done the trick. T. F. McGREW.

At the Front.

E. A. Blair, box 189, Panora, Ia., March 8, 1899.—The March issue of American Poultry Journal was simply grand. You are at the head of poultry literature.

National Fanciers' Association of Chicago

DIRECTORY NATIONAL FANCIERS' ASSOCIATION OF CHICAGO.

The Fourth Annual Exhibition of the National Fanciers' Association of Chicago will be held in this city January 22 to 27, 1900.
President—W. W. Hogle.
First Vice-President—L. H. Fuller.
Second Vice-President—C. A. Damon.
Treasurer—L. B. Richardson.
Secretary—Fred L. Kimmey.
Asst. Secretary—K. J. Muir.
Directors—A. E. Brown, B. F. Hedges, J. C. Platt, Wm. Plaehn, F. B. F. Rhodes, P. H. Sprague, F. W. Ward. M. Wagner.
Regular monthly meeting is held at the Sherman House the first Wednesday in each month at 8 p. m.

FRED L. KIMMEY,
Morgan Park, Ill.,
Secretary National Fanciers' Association of Chicago.

JUDGES AT CHICAGO SHOW.

Personal Sketches of the Men who will Judge in the Several Classes at the Greatest Event of the Year in the West.

J. Y. BICKNELL.

J. Y. Bicknell, the veteran judge and fancier, was born in Oneida County, N. Y., away back in the thirties—in fact so long ago that he is said to have been very young at the time. As years rolled on, however, filled with activity and conscientious zeal, his age increased until it is several in advance of what it was at the date mentioned. Roosevelt tells us that it is an absolute necessity that a boy be brought up to work, and might have received the idea from Mr. Bicknell's father, who was a Baptist minister and not only worked in the pulpit but on the farm as well. Instructions to work came with emphasis a certain degree of which was laid away where it could be taken down, used, and replaced for future occasions. But the junior Bicknell was more interested in stock than in tilling the soil and when yet a lad was gratified by securing the best pigeons the section produced—also chickens called "Creepers" and "Top-nots"; then Pheasants or Hamburgs, as they are now on the list. About 1848 his father gratified his taste by securing a few "Shanghais" and "Brahma Pootras," but these were not just what he wanted. So changes were made until 1868, when he went into the business in earnest, having long since left the farm, engaging in mercantile business. His first exhibit for competition was in the fall of the same year at New York State Fair. Fowls were then shown in trios—first premium $5 and second $3. One

W. EBEN WALDEN.

exhibiter, who was breeding poultry for one of the judges, showed all the *stuff* he could rake up, gave names to them and carried away over $200. Mr. Bicknell got three seconds ($9) and his eye teeth cut. From that time on until about 1876 he was a large exhibitor and with one exception always won special for largest and best display. After that date he went to Buffalo and it is now thirty years since he was first employed to place awards, being obliged to decline many more calls than he could accept from year to year. Mr. Bicknell is a typical New Yorker and a progressive fancier, thoroughly abreast with the times. He was on the committee that revised the present Standard.

In his opinion Might makes Right only when Might is Right, and it has been his experience to see many an one climb the ladder of poultry fame on wind, not having time to count the rounds in making his descent. Honesty is the foundation principle of permanent success. Mr. Bicknell has been superintendent of the Buffalo General Hospital and has for several years held position as Grand Secretary of the Royal Arcanum in New York, a fraternal beneficiary order with a membership of nearly 200,000. He has been elected to this office every year for the past fourteen years, sometimes against strong op-

THOS. F. RIGG.

position. Of late the name "Bicknell" is called and that settles it. It was a touching sight at our Chicago Show, 1898, to see Judge Bridge, another veteran, after purchasing a valuable silk umbrella present it to Mr. Bicknell as a token of his esteem.

It was the good fortune of the writer to spend an evening with Judge Bicknell after the 1898 show and to be entertained by stories of his experience—doubly interesting from the fact both were New Yorkers. Mr. Bicknell will, of course, assist in judging the heaviest classes. He is not a heavyweight himself in averdupois, but considered as an expert judge of poultry Mr. Bicknell weighs a ton and a half and it is safe to say that any specimen not entitled to a prize has small chance of success at his hands.

In Mr. Bicknell is a fund of poultry knowledge and experience which in other lines led to the remark, "There is only a few of us left." FANCIER.

W. EBEN WALDEN.

W. Eben Walden was born at Dunkirk, Ohio, and is now on the safe side of forty-six years of age. He is an in-

J. Y. BICKNELL.

herent fancier of well-bred stock of every kind, but has more particularly turned his attention to game fowls. Made postmaster of his adopted town of Watervliet under the former administration, and with the elements of promotion in him, by education and experience, he might have aspired to other things than distinctions of the rural sort; but, in the latter he has excelled and made a name.

Mr. Walden commenced breeding fowl, from fancy, in 1871, and his efforts were so persistent in getting the best that he enjoys the distinction of importing more fancy Game fowl into the United States than any other breeder. His first importation was Black Breasted Red Game, from England. He had no desire or ambition to breed Game fowl for the pit. He says that he would blush to think he had ever interested himself in a Game that was ever abused in the pit. He has paid at various times $50 and $100 for a single bird, and added the cost of bringing it over.

Although Mr. Walden has made a specialty of the Red Pile and Malay

ELI HAILEY.

Games, the Black Breasted Red Game seems to be nearest his heart. At Gravelley Hill Farm, Watervliet, Mich., may be seen multitudes of all these special varieties, which has almost become a sub-station postoffice, so much is the mail demand for orders to be filled. The prominence obtained by the very exceptional grade of fowl raised by Mr. Walden has caused the National Exhibition Game and Game Bantam Club to advance him to the Presidency of the Club, besides making him one of the judges of the exhibits of the Chicago Association January 22 to 27, 1900.

Mr. Walden is no crank, but he is not in accord with the so-called accepted and old stereotyped ideas of fine points in game fowl. As he says, he has views of his own, and with deference to all he expresses them. He has no set ideas as to weight and points, but says that a fowl that has the acceptable points and of the same weight as another of fewer points, reason dictates what to do as judge. But as weight does not count in this class in our new standard, and being a most ardent adherer of same, he abides most strictly to the laws laid down therein, regardless of any personal ideas he might have. The special characteristics of the fowl must be present, however, to entitle it to consideration. In order to have the requisite glossiness of feather, he recommends that the birds be treated, as far as possible, as wild fowl. That is, the food must be that of the wild fowl, as far as can be procured, and the birds should be required to roost in the trees in the open air, when the weather will permit. Even hard weather will not deteriorate from the fowl, but produces hardness and glossiness of plumage.

Mr. Walden does not advocate his methods for those who wish to breed for profit, for, as he expresses it, he has paid out more for fancy Game fowls and for their keep than he has ever realized. On "points" in a fowl he has no superior in the small class of first-class breeders. At the meeting in Chicago will be breeders from all parts of England and Canada, and it will be a source of pride to the organization to have a man who not only knows the birds, but also knows most of the men who raise them.

ELI HAILEY.

Eli Hailey, who is one of the judges selected to act at the next Chicago show, is a man of great experience in poultry culture. He commenced in the business when eleven years old with a pair of White Game Bantams, since which time he has bred nearly every kind of poultry known, including every variety of Games, which class is his specialty. He is an enthusiastic fancier and has never recovered from the "hen fever" contracted forty-two years ago, and believes that life is not worth living unless one can be surrounded with choice poultry.

Mr. Hailey lived in England until thirty-one years of age, and was in touch with all the famous English poultrymen and judges. He assisted judging at many exhibitions and was an exhibiter of winners at the best shows there. Upon coming to this country Mr. Hailey brought many of his choice Games with him, and located in Newark, N. J., moving from there to Cleveland, O., and then to Detroit, Mich., his present residence.

Mr. Hailey is a veritable poultry crank, and as he says in his inimitable way, he can walk ten miles to see a good chicken without getting tired, and believes one can have a more genuinely good time by spending his money for that he can feast his eyes on every day than by going to theatres, etc., where one is only amused for the time being. He believes in keeping only the best fowls, as one can easily realize when looking at his poultry.

Mr. Hailey is an earnest advocate of the idea that no spectators should be allowed near a judge while he is at work, and believes a judge can do better work and more of it if no one but his necessary assistants are around. He also believes no one can properly judge a variety of fowls he has not actually bred for several years any more than one can construct a building without years of practical experience at the work.

Mr. Hailey thinks that in this country of great distances poultrymen do not fraternize as they do in England where all are near each other, and he also expresses the opinion that there are more fanciers in Great Britain than in our vast domains.

W. S. RUSSELL.

It was this way! Mr. Russell had attended, first as exhibiter, then as judge, every show of our association, with his magnificent exhibits; and had impressed the management with his skill as a breeder and sterling worth as an expert judge. His personality, made up of youth, vim, brains and enthusiasm, is the stuff that has made Chicago, and is just what is needed to develop the poultry business. So when it came to the selection of judges in open meeting, to pass on the heavy classes, the name of W. S. Russell went through with a whoop. A most convincing evidence of his popularity here in Chicago. Although a young man of 34, Mr. Russell has had nearly twenty years' experience as a breeder of fancy poultry, a close student of this form of nature and of the Standard, which is the law of the breeder, and has bred during the past fifteen years every variety except Polish and Red Caps. He bought his first sitting of B. P. Rock eggs of Geo. Pitkin in 1880, and his birds of this variety have scarcely been exceeded in the West.

This will be Mr. Russell's seventh season judging shows, and he has refused more shows than he has judged each year. He has the reputation of being impartial and fearless in his work, which was demonstrated at Chicago last winter, when he disqualified birds

W. S. RUSSELL.

of the originator of the variety, also those of the president of a specialty club, doing the right as he saw it in his own conscience. Mr. R. has been honored with the presidency of the B. P. Rock Club, and is a member of the executive committee of the American Poultry Association. Mr. Russell's score cards are executed with neatness and accuracy, and his signature thereon gives it a commercial value appreciated alike by buyer and seller.

Quoting Theo. Heeves, "If there are any more young men like Mr. Russell, step out; we want you."

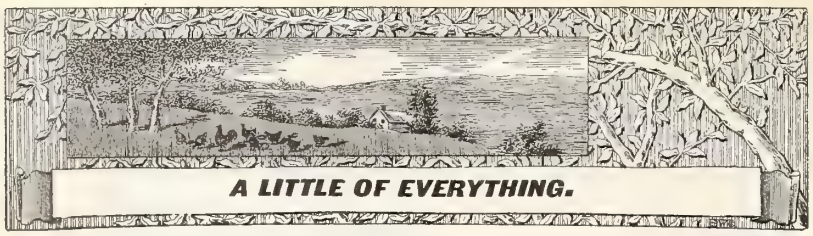
THOS. F. RIGG.

Thos. F. Rigg, of Iowa Falls, Ia., is a fancier in the truest sense of the term. He breeds fowls because he loves the work. His rank among the Houdan breeders is established. During the coming season Mr. Rigg will act as judge at Chicago, Boston, Iowa Falls and possibly elsewhere. He is known to readers of THE JOURNAL as one of the most helpful and intelligent contributors to these columns. His practical papers for beginners, as well as his more technical articles for advanced fanciers, are alike entertaining and beneficial. As a man, Mr. Rigg is the type of honor. He holds high place in his home city as a business man of means and a citizen of progressive ideas.

S. B. JOHNSTON AS JUDGE.

S. B. Johnston, of Boggstown, Ind., who is so well known as a breeder of Mammoth Bronze Turkeys and of poultry, announces that he will be open for engagements to judge and score poultry for both private engagements and exhibitions. Mr. Johnston has bred fine poultry for 15 years, including nearly all breeds. He would be pleased to correspond with anyone that needs work of this kind.

In a personal letter W. B. Morehead, of Belleville, Wis., states that he has a fine lot of young Light Brahmas, as good as he ever raised, suitable for fall and winter trade. His old birds are getting through the molting season nicely and he will soon have some choice 1899 breeders for sale at reasonable prices.



A LITTLE OF EVERYTHING.

Proper Mating.

Mating properly is a very important matter to the breeder. We have found by mating dark cockerels with light pullets we have young stock almost entirely free from white in tails and wings.

B. H. & M. H. SMITH.

Coldwater, Mich.

Avoid Drafts.

Now that the fall winds are with us, we must see to it that the young stock are not allowed to roost in the draft. Better far to let them roost out in the trees, than in a house where the winds can blow upon them. Too many cases of distemper (so called) could be traced to neglect in the roosting room, and still it is overlooked. Do not spare the feed now if you wish to get large size; not fattening foods, but that which promotes rapid growth. Wheat, green cut bone and clover meal will put them up in size, and add luster to the plumage.

J. H. DOANE.

Gouverneur, N. Y.

Treatment for Lice.

Fowls will feather out much better if they are entirely free from lice during the molting period. Heroic efforts are necessary to accomplish this in some flocks, but the following will prove effectual "when all other fail." Select a nice warm day, provide yourself with a tubful of warm suds water, using about 1-3 cake of kitchen soap, or, better still, ½ cake tar soap; add to this 2 tablespoonfuls of crude carbolic acid and mix well. Station yourself at the hen house door. Take the fowl's feet in one hand and head in the other. Pull through the water feet first until thoroughly drenched, holding head out until the last moment, duck under an instant and then let run on the grass. After fowls have been disposed of proceed to whitewash the house thoroughly and kerosene the perches. The effect on the flock will be magical.

C. A. DAMON.

2740 Monroe St., Chicago.

Feed Sound Grain.

The hot season is now over. Lice and mites will be less troublesome; the next in order for us fanciers is to cull out the poor stock. Put them by themselves and get them ready for the market. Those showing promise of making good breeders and exhibition birds should be given the best runs and every possible advantage to bring them to the front. Of grain feed only what is sound.

F. J. HOELTING.

Galena, Ill.

Proof in Seeing Things.

Beware of the poultry man who does not invite visitors to his yard for fear of disturbing his fowls, and others who are too good to take their poultry to the shows. We would rather suspect that there was something wrong with the fowls in both yards. You know there are certain kinds of cloth that will not bear inspection.

MRS. J. H. OREBAUGH.

Batavia, O.

A Lost Art.

It is known that in prehistoric times there were several different nations who could work with and temper copper in a manner that the best artisans of the present day cannot equal. Tempered copper and silver were much used by the ancient makers of cock-spurs, and I have now a pair of old silver gaffs which, though inferior to the modern steel spurs in style and set, are still unique in that they are made of a metal which no man alive knows how to temper.

H. P. CLARKE.

Indianapolis, Ind.

Specialty Breeding.

Beginners in the poultry business: Before you decide on the breed you are going to raise, I particularly advise you to raise only one breed. I advise you to look over the field of all the leading breeds carefully, making a final selection of your choice and stick to it through "thick and thin" for at least a series of several years before you think of dropping same for some other, even if you do have failures which we all have more or less. You will have ups and downs with all breeds and other breeds may seem to do better than yours. My advice is to stick to your acknowledged choice and raise only one breed.

J. G. LEMBKE.

Griswold, Ia.

The Vinemont Poultry Farm, of Reading, Pa., has turned out 3,000 chickens this year. The proprietors have put in an entire new system of brooders which is their own, and which covers a floor space 120 feet long and 25 feet wide, outside of the boiler house. They have solved to their own satisfaction the question of brooders and have no trouble in raising young chicks. They would be glad to correspond with any of A. P. J. readers who have trouble in this way and would gladly give their experience and the good results that they have had, as they think they have discovered the right brooder system. The farm covers about 85 acres of ground.

A CORDIAL INDORSEMENT.

Editor American Poultry Journal.

AMERICAN POULTRY JOURNAL has only been out a few days with the September issue of our column ad, and it gives us great pleasure, as well as a deal of satisfaction, to be able to report to you that the returns from this ad, considering the season at hand, is nothing short of remarkable. It has secured two new cash agents, one in Illinois and one in Canada, besides a pile of sales and endless inquiries. It seems as though THE JOURNAL does more for us, considering the amount expended, than *any other paper.*

THE PURITAN POULTRY FARMS.

Stamford, Conn., Sept. 6, 1899.

GEO. W. KINZER.

Geo. W. Kinzer, of New Holland, Pa., whose portrait is herewith given, is already favorably known to the readers of AMERICAN POULTRY JOURNAL. The records made by his birds, Cornish Indian Games and Buff Leghorns, at twelve of America's leading shows, are the best evidences of the quality of his stock. Mr. Kinzer offers all his 1899 breeders for sale, and a large number of young birds. His ad appears elsewhere in this issue. The public should know that the sale of Cornish Indians made by Mr. Kinzer to Gary Bros., of Reading, Pa., was cancelled May 1, 1899, after only a few days had elapsed, and all the original stock returned to Mr. Kinzer's yards. H. L. Knapp's Cornish Indians, including birds from L. B. Richardson's imported cock, John, were purchased by Mr. Kinzer in March. The stock now held by him is of the best strains and is the very stock on which he has built up his reputation. Sales made by him can be relied upon and the excellence of the birds is unquestioned.

ALABAMA BEAUTIES.

Editor American Poultry Journal.

I am not a raiser of prize winners; but simply a broken down Methodist preacher of 70 years; raising chickens for my own pleasure and benefit. My wife, who has been at my side for forty-nine years, says, after trying a number of different breeds, she has concluded that the Wyandotte is the best "all round" chicken for us. Let me repeat a case: We have the thoroughbred Silver Laced Wyandotte, and had a present, from another state, of some genuine Cornish Indian Games, having taken first a cross ,and have brought out the handsomest chickens I ever saw. Shorter neck and legs than the Game; compact, beautiful symmetry of body; not so fluffy in feathers as the Wyandotte; graceful, plump, active, domestic, and where the Wyandotte is white in feathers and wing bars, these are deep orange. That, and the glossy black, make a splendid combination. For want of a better name, I call them "Alabama Beauties."

W. C. HEARN.

Talladega, Ala., Sept. 19, 1899.

Right Kind of Returns.

A. J. Bargahiser, Rockford, O., May 14, 1899.—My ad in American Poultry Journal has brought in good returns.

DRESSED POULTRY AND EGG EXHIBIT AT POULTRY SHOW.

A letter from Franklane L. Sewell to President Hogle, read before the National Fanciers' Association of Chicago at the Sherman house, Chicago, Sept. 6, 1899:

NEW TROY, MICH., Sept. 6, 1899.

My Dear Mr. Hogle: I regret that time will not allow of my expression on this subject as fully as it at present deserves. However, I do not feel that it calls for many words now to convince the members of the National Fanciers' Association that the time is ripe for the establishing of a dressed poultry and eggs exhibit in connection with their progressive exhibition of fancy, standard-bred fowls, in the great city of Chicago.

I believe that their minds are already about made up to make this department a fixture. Mr. F. B. White's article to your last assembly clearly shows that there are those who are fully awake to the benefits that will be enjoyed by all poultry growers in the district and in surrounding states when Chicago markets are influenced by such exhibits of fancy dressed poultry and fancy eggs as your exhibition can bring together. The truth is that the Chicago people as a whole have for many years been eating a very ordinary class of poultry—the best filled and put-up fowls, broilers, roasters and capons going to markets paying more appreciative prices, to New York largely and to Boston in particular, until shippers have come to regard our city as a dumping ground for all the mediocrity in the product in poultry and eggs.

All poultry men in the west are, or will be, interested in this movement to show to the people of Chicago what is produced and can be procured of the best in the poultry line.

Shippers from as far west as Illinois have been sending special exhibits of chickens and turkeys to the Boston exhibits of dressed poultry.

These producers and a great many others who are making a living by the poultry industry will see that the demand and prices in the best Chicago markets can be greatly influenced, the prices raised in our vicinity and their own interests served by sustaining a first-class, up-to-date and progressive table poultry show at Chicago.

As far as we can see, the table poultry show, handled in a progressive manner, is the shortest cut to gaining for Chicago a better reputation as a central poultry market and to educating the western markets to demand the best class of poultry and eggs.

Let me say here to those who are contemplating showing in the table poultry department, but who fear that their favorite breed is not of the most popular sort on the market tables, that we have seen poultry of the least popular color, when perfectly fattened and dressed, winning in classes against the supposedly fashionable sort. If your birds possess real quality and they are shown as attractively as it is possible to display them, they will not pass the expert's notice, whose duty it is to look for the genuine merit, regardless of fashion, without reason. The wholesome influence of the table poultry show is being felt in the sections of the country where they are held by the breeders of Standard bred varieties, and we notice them closely studying and breeding for the development of the sections that fit their favorites for the market requirements of those who demand breeding stock for market production alone.

The fanciers of "Standard bred poultry" and the market poultry producer, although not supposed to be both catering to tastes identical, can work hand in hand, supporting a grand exhibition of poultry, to the higher development of the entire industry, and while studying together teach the public about the highest grades of their products.

It would be highly instructive to be able to compare well filled specimens of dressed fowls of all the Standard breeds together, though this might be difficult to bring about; however the greater majority of America's Standard land and water fowls are thoroughly practical and superior as table poultry.

The very best table qualities are found with the Standard breeds, and it will bring a speedy appreciation of their values along this line to have them displayed in the table poultry department.

As to classification, the leading show of the country in this department at present calls out some criticism on account of its limited classification and lack of liberality.

We believe when Chicago gets started in this department and sees the possibilities of its good and valuable influence to all concerned that it will lead the world. Mr. White made some valuable suggestions regarding the appearances of packages of poultry and eggs. The French poulterers set us some very good examples in this. The fruiterers have for many years realized the value of attractive packages as well as the better condition in arrival of their wares. The poultry men have many new methods to invent and adopt in their modes of packing their birds and eggs. We will look for many new developments in attractive packing and shipping at Chicago's Table Poultry Show.

FRANKLANE L. SEWELL.

Mrs. T. R. Thompson, of Flournoy, Ky., has placed her announcements in our columns this month and is in position to supply her customers with high grade White Plymouth Rocks that will give satisfaction. Her flock is one of the oldest in Kentucky and has repeatedly won the highest honors at the exhibition of the Kentucky State Poultry Association at Louisville.

MAKE HENS LAY

Nothing on earth will Make Hens Lay like SHERIDAN'S CONDITION POWDER

It will keep your poultry strong and healthy. It will make your pullets lay early. The time to get eggs is in the fall and winter months when prices are highest. Therefore

No Matter What Kind of Foods You Use!

Sheridan's Condition Powder is needed with it to assure perfect assimilation of the food elements necessary to form eggs. It is absolutely pure; Highly concentrated. Sold by all Druggists, Grocers and Feed-Dealers. Large cans are the most economical to buy.

IF YOU CAN'T GET IT NEAR HOME, SEND TO US. ASK FIRST.

We send post-paid, one pack for 25 cents; five, $1.00. A two-lb. can, $1.20; six cans, $5.00. Ex. paid. Sample copy of the "best Poultry paper" free. I. S. Johnson & Co., Boston, Mass.

UNUSUAL EXPERIENCE WITH EGGS.

Editor American Poultry Journal.

As nearly everything that is out of the usual run of things is of interest to poultry breeders, I will give an experience of mine this spring. On May 5 I set two hens; each was given thirteen Buff Rock eggs. On May 15 the two hens left the nests and went to laying. The eggs were changed around, sometimes going from twelve to sixteen hours without being covered. It seemed as though I would never get a hen that had decided to set. They would set one night and then go back to the roost. At last, after about ten days of shifting around I got two hens that would stay. On June 2, thirty-one days from date eggs were set, one hen brought off thirteen strong chicks. Two days later I broke one egg from the other setting and found a live chick in it.

On the thirty-fifth day from time the eggs were set, the hen brought off ten chicks, the other two eggs being infertile. Two hens that were set four days later on eggs from same pen hatched on time; one hatching five, the other seven chicks.

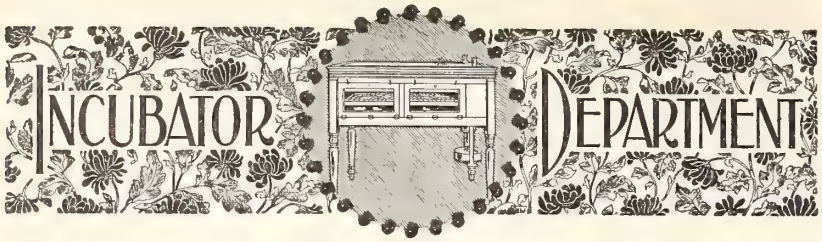
These were not as strong when hatched as the others, and now weigh less by half a pound per chick than the ones that were so long in hatching. I have an incubator, 200-egg size, and have never got a good hatch from it. Next spring I will try again and cool eggs from the tenth day on, from an hour to an hour and a half, and see if I get good results.

F. S. GASPER.

Rudolph, O.

WHITE PLYMOUTH ROCKS THAT WIN.

R. M. Gard, of Frankfort, Ind., who has a national reputation for breeding good White Rocks, just showed seven birds at the big Crawfordsville Fair and won seven prizes, as follows: 1st cock, 1st pen, 1st and 2nd cockerel, 1st and 2nd pullet, 1st pen. Mr. Gard does not make as much noise in his ads as some but is generally among the winners in the show room. He reports the best trade he ever had this fall, and just shipped an order to U. S. Senator "Mat" Quay, of Pennsylvania. Write Mr. Gard for prices and circular.



First Treatment of Chicks.

Chicks should be taken out of the incubator as soon as they are dry, placed in a basket with a piece of flannel under and over them, and the basket set near a stove or in a warm place and the chicks not fed for twenty-four hours. After that time remove them from the basket into the brooder, heated between 80 and 90 degrees, and feed with a few bread crumbs. Keep clean water constantly before them, but have the vessel containing the water so arranged that they cannot get themselves wet. You can buy fountains for this purpose or can make them yourself by placing a tumbler upside down in an ordinary coffee saucer.

After the first feeding they must be enclosed under the hover of the brooder until the next feeding. Do not neglect to do that, it is very important. Feed often, but little at a time, as they cannot digest much at a time, and positively must not be overfed. Overfeeding will produce bowel complaint as quickly as anything else. They should be well fed, and yet kept a little hungry. Feed them about four or five times a day at regular hours, and see that they all return to their hover after feeding. Scrape up what feed is left, if any, and throw it away or give it to the pigs or your full grown chickens. Young chicks must never eat stale feed. They must be taught to go under the hover each day until they learn what it is for, and where to go when they get cold.

They must be taught right from the first to eat everything that is good for them, like screenings, millet seed, cracked corn, whole wheat and baked corn meal cakes pulverized. Wheat and cracked corn should be their predominating food after the fifth day.

Some persons complain that their chicks will not eat some of these foods, but you can overcome that by giving them only a little of the foods they do not seem to care for between the regular times for feeding, and also a little with the food they do eat at their regular feeding. They must not become habituated to one food. They should become quite hungry for their last meal, which should be given them as late as possible, before dark, so that they will eat enough to last them until morning. The last feed should be hard dry grain.

Some persons complain that the chicks will not go under the hover, but crowd into the corners and smother each other. If the foregoing instructions carefully and patiently carried out, and the little chicks made go under the hover from the first, they will soon learn that the hover is a good mother to them and will not be troubled with smothering.

Other persons say they find dead chicks in the hover in the morning. If you maintain 80 to 90 degrees of heat in your hover, this is probably because of weakness of certain chicks which have become chilled sometime during the day. See to it that they never become chilled by huddling in the corners of the brooder outside the hover, for when once they get chilled they cannot get warm, they become weak legged, and sit as close to the heater of the brooder as they can possibly get, while the other chicks stand upon them and crush them; or, having become chilled, their food will not digest and they die of bowel complaint.

Another cause of bowel complaint is, that in outdoor brooders and also some indoor brooders the front and top are made of glass. Such brooders are all right when the sun is not too hot, but if the sun is hot, unless protected by a shade, the sun will blister the chicks through the glass and give them bowel complaint. A good sign that there is too much sun is, when they all draw together, and huddle up sleeping in the corners of the brooder under the hot rays of the sun. They do this when too hot as well as when too cold. If the foregoing directions are carefully carried out for a week or ten days, you will have no more trouble, and you may let them outside the brooder, making them come in early in the evening, or at any time during the day should it begin to rain. Do this for a day or so and they will soon learn to take care of themselves. Chicks are absolutely ignorant, they know nothing but what you teach them. Be sure to keep that in your mind.

Never keep any more feed before your chicks, while confined in the brooder, than they will eat up clean, but after you let them run outside the brooder, always keep dry grain food in the brooder, in a little trough, so as to entice them to return to the brooder, their only home.

See that their feed trough in the brooder is full before sundown.

Chicks must not be overfed.

Chicks must be kept warm.

Chicks must be taught correct habits in the first days of their youth.

Chicks must have more attention than wheat or corn.

These rules apply to chickens, ducks and turkeys. Will take pleasure in answering any questions bearing on the subject.

SECRETARY NATIONAL BROODER CO.
Delaware City, Del.

G. M. Johnston, Boggstown, Ind., of S. B. Johnston & Co., would like to correspond with anyone in need of a man to manage a poultry farm. Mr. Johnston is an expert with incubators and the feeding of young stock and the care of poultry in general. Write in care of S. B. Johnston & Co.

Adam Heimberger, of New Albany, Ind., agrees to sell his Langshan youngsters at less than they are worth, for a limited time. AMERICAN POULTRY JOURNAL is assured that Mr. Heimberger is really giving his customers more than value received and bargains certainly can be made if you do not wait too long.

POULTRY IN CUBA.

HAVANA, CUBA, Sept. 18, 1899.

Having been a subscriber to your excellent paper, and a poultry man, prior to the outbreak of the Spanish-American war, I thought that a word from the "Pearl of the Antilles" might be welcome

By reason of my connection with the War Department I have resided in Havana since the occupation of the island by American troops, and have had every opportunity to observe the customs and pursuits of the people. Naturally, poultry receives the greater share of my attention, as a cattle man would turn to the grazing, or a farmer would make note of the agricultural possibilities of the country.

Under the Spanish regime cock fighting was the national sport, and as late as January last it was a common sight to see natives squatted in the middle of a prominent thoroughfare, watching a contest between two little game cocks of uncertain breed, which contests usually lasted to a finish. While there are, doubtless, some fowls of fine breeding on the island, I have not yet been so fortunate as to locate them.

Poultry raising, if it ever existed, is certainly on a par with other industries at present. I have been charged forty cents a dozen for eggs, day in and day out, and am certain that they are cold storage eggs from the States. The cheapest that I have been able to buy a chicken was seventy cents, recently, and that was from the representatives of a prominent Chicago packing house, and the chances are 100 to 1 that this fowl was hatched in an incubator in the United States and had been in cold storage for at least two weeks.

Outside of the markets, the poultry industry is confined to peddlars who go about the city with live poultry tied by the legs and slung over their shoulders. One of these men carries about two dozen fowls and will ask from one dollar to a dollar and twenty cents apiece for them, or may sell half a dozen for five dollars. These prices are only agreed upon after a "haggling" and "bickering" lasting half an hour, during which time the native perjures his soul far beyond redemption. Following this man comes a fellow with a basket of cold storage eggs for which he will ask a small fortune until talked into submission, which means that he will sell for forty cents per dozen. The usual method of trading is to ask the price of goods and then offer the vendor one-half the price asked. This starts quite an argument, of course, and after consuming much valuable time you can purchase the article for about twice its real value. These people consume more time in purchasing vegetables for breakfast than would suffice to consummate the greatest deal that was ever made in Chicago by a thorough business man.

The truck gardening, as we of the north term it, is carried on by the Chinese, and it is needless to add that they have a monopoly in the business, as no one can compete with the "heathen Chinee" in this line of work at current prices, and method of making sales.

If you will indicate whether or not you so desire, I will be glad to send you an occasional letter for publication, and you are at liberty to refer any question regarding poultry raising in this island to me, which I will answer to the best of my ability Yours truly.

E. A. SHEPHERD,
Chief Clerk.

SURPRISES AND PROBLEMS IN POULTRY GROWING.

Not the pleasantest in the world are these surprises, always. I have just been the victim of two of them, as I made the morning tour of the yards. Or, rather, one of my shocks was a surprise, the other more in the nature of an explanation. But they bore no relation to each other, except that both were connected with poultry, and both, presumably, the result of not the best treatment somewhere.

My first surprise was lice (mites), red with the blood of my precious Leghorn chicks. Not a matter for surprise, at this season, you think? Yet it was genuine, and its source is still a matter of inquiry. Since we occupied our present quarters, four years ago, I have not had the doubtful pleasure of seeing one of these red mites. And, having reared chicks, almost literally since I stood at my mother's knee, I really prided myself on knowing how, and felt that there was no necessity of being bothered with the poultry house mites.

But there they were, in piles—actual piles—in a brooder that never before showed me a single specimen of vermin of any kind, throughout a service of several years; a brooder, too, which I had myself scrubbed carefully, and kerosened in the usual manner, perhaps a month previously. To be sure, I had since been away, leaving no one who could do more than feed the birds, but the origin of those pests, and their quick multiplication in a brooder so lately clean, is still a mystery. A brooder, too, occupied by incubator chicks. A few hen-hatched chicks did, indeed, secede from another place, and adopt this brooder as a place of residence, and had the lice been of the body sorts, I should have known that they were thus imported. But we are told that the red mites do not stay on the bodies of the birds; and, moreover, I have not been able to find any in any other coop or house on the premises. The story is told chiefly to emphasize the necessity of argus-eyed watchfulness, even when we are sure we are masters of the situation.

The other matter showed the source of part of the trouble with a sick bird, but opened the question as to whether there is any special connection between liver disease and disease of the egg organs. A hen that had been ailing and very thin for many weeks, was killed and dissected. The symptoms shown had been those of the ordinary attacks of indigestion, usually followed by liver enlargement and death after a lengthened period. Yet, dissection showed the bird to have been the victim of ovarian inflammation for a long period. Her body contained two spongy, but rather heavy tumors, as large, each, as a man's fist, and each composed of egg, compacted into a cheesy mass, and cooked by adjacent inflammations. But there were, also, paleness and enlargement of the liver, and, of course, some displacements to accommodate the tumors.

This bird was one of four raised from two sittings of eggs which I bought, of a breed which poses as the epitome of vigor and hardiness. Thirteen chicks were hatched, of which unlucky number more than half died of *inability to live*, within a week of hatching. Of the four raised, one had roup, one developed the trouble described above, and two, of the original thirteen hatched from twenty-eight eggs, remained in health. We have always had a struggle to keep the supply of green food in proper balance to overcome any tendency to liver disease—as, indeed, all must have with yarded stock—but I submit that the history of these broods shows inexcusable treatment (with regard to upholding vigor), of the ancestors of the chicks which I hatched. Facts showed, very plainly, to me, that all else had been sacrificed to color. The question still remains: was there any connection between the liver trouble and the ovarian difficulty. Farther than constitutional weakness in the stock?

MYRA V. NORYS.

THE F. W. MANN CO.

The F. W. Mann Co., Box 56 Milford, Mass., were the originators of the bone cutter. They have the largest experience, and have wonderfully improved their opportunities, and by surrounding themselves with the best brains, skilled workmen and the very best material, the bone cutters they offer this season are better than ever. To avoid the great waste in feeding they invented and placed on the market their patent swinging tray. The large sales that followed attest its popularity among the fraternity. Their clover cutter has also met a long felt want, and has jumped into great favor. It is not surprising that it should, as it cuts very rapidly, very easily and leaves the clover in the very best condition for feed. It is an impossibility for a fowl to get crop bound when this clover cutter is used. Their granite crystal grit possesses qualities found in no other grit. They have shipped it as far distant as South Africa, and all over the United States. We can heartily recommend this firm to our readers assuring them that they will receive the full value for their money, and that all goods will be just as represented. They report a successful business last year, with prospects for a still greater trade this year.

A. P. J. IN PORTO RICO.

Editor American Poultry Journal.

I have just received an order from San Juan, Porto Rico, for twelve sittings of eggs. A. P. J. has credit for this. It has sold me lots of stock and is bringing in many inquiries.

C. B. HUFF.

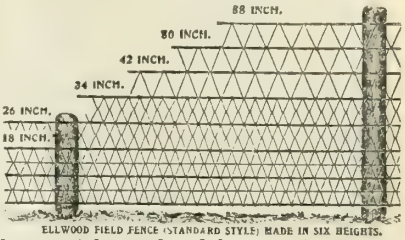
Delaware, N. J.

G. C. Flegel, of Westville, Ind., recently secured first prize on a pair of his White Wyandottes at the Tiffin, Ohio, Street Fair. This is simply a pointer in regard to what he is going to do later at the coming shows.

THE ELLWOOD WOVEN WIRE FENCES

have had a remarkable season of prosperity, so far the present year sales of all the various styles being much more than double any previous record.

The Ellwood fences are sold by local agents in almost every city of the United States and Canada, but should no agency



ELLWOOD FIELD FENCE (STANDARD STYLE) MADE IN SIX HEIGHTS.

have yet been placed in your town, persons needing an efficient farm, field or ranch fence, secure against outbreaking or inbreaking horses, cattle, hogs, pigs, sheep, dogs, poultry or rabbits should address the manufacturers, American Steel and Wire Company, Chicago or New York.

PRAIRIE STATE INCUBATOR.

There are very few poultrymen in this country who cannot claim acquaintance with genial A. F. Cooper and J. L. Mix, of the Prairie State Incubator Co., Homar City, Pa. We believe there isn't a poultry raiser in the land who has never heard of the Prairie State Incubator. This machine ranks amongst the best esteemed incubators everywhere. The company has just issued an elaborate illustrated catalogue, which will be sent on application to the above address. The catalogue contains a fund of information and is profusely illustrated with half tone and color designs. A big year's business is in prospect.

W. B. GIBSON & SONS.

Plymouth Rock fanciers know that the birds shown in former seasons by W. B. Gibson & Sons, West Alexander, Pa., are of the right sort. But to general readers we offer a few words of assistance and suggestion. The Gibsons breed Barred Rocks exclusively. They have done this for twenty years, mating for high class exhibition stock. Last year, at five strong shows, they won 26 firsts, 56 regular prizes. This year they have 800 fine young birds. The pullets are famous for early laying. The annual circular is now ready and sets forth the merits of the stock and the methods of the firm in their honorable dealings. We recommend these breeders to readers of A. P. J. When writing for information please mention this fact.

M. Bliss Dewey, an old A. P. J. advertiser, formerly of Concord, Mich., has moved to Jackson, Mich. A change of his ad this month shows the new address and also gives a list of some of his recent winnings on Rocks and Minorcas.

CHICAGO POULTRY SUPPLY HOUSE

We carry in stock every description of Poultry Supplies. Incubators, Brooders, Bone Cutters, Oyster Shells, Grit, Blood Meal, Peas, Millet Seed, Beef Scraps, Coops, Drinking Fountains, Lice Killers, Roup Cures. Buy of us and save the freight from eastern points. Send for catalogue.

F. S. BURCH & CO.,
178 Michigan st., Chicago, Ill.

THE AMERICAN POULTRY JOURNAL

Published the first of each month by
MORGAN BATES & CO.

Entered at the postoffice at Chicago, Ill., as mail matter of the second class.

Subscription price 50 cents a year in advance.
When delivered by carrier in Chicago 75 cts. a year in advance.
Payment for AMERICAN POULTRY JOURNAL, when sent by mail, should be made by money order, registered letter, bank draft or express money order.
Stamps can be sent for small amounts.
Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a favor by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

OUTLOOK FOR THE NEW YEAR.

Prosperous conditions are reported from every portion of this country. The criterion of trade is the demand for structural materials. If there is call for products of mine and forest, the reason is easily found; there is need of larger quarters for manufacturing and transporting the necessary wares. So when we read that building is being delayed, even to the point of postponing the work until another reason—when railroads and steamboat lines are unable to carry the quantities of freight piled in storage for shipment, and cannot construct new cars and boats fast enough to comply with contracts, the evidence is before us to prove that business is at full tide. In fact, the commercial reports simply express the opinion that the volume of business now in sight is phenomenal—and do not attempt an explanation of causes.

Those of us who have gone through "hard times" and come out into the enlivening atmosphere of "good times," can well afford to wear a new suit of broad smiles. Prosperity is here, and it is here to stay for a reasonable length of time. No one can account for these conditions on any known theory of politics, nor can we attribute the improvement to any administrative conduct. The people realize that there is no longer cause to be afraid of some big bugbear or other, and so have "restored confidence."

It takes a seventh son of a seventh son of a Ehaldean astrologer to tell just what "confidence" is, or where it goes when we lose it. But now it has come out as chipper as a summer girl and as frisky as a Leghorn cockerel. And we embrace the dear old thing!

Now, you poultrymen are right up on your toes this year. AMERICAN POULTRY JOURNAL knows it, because lots of letters, with nice fat contracts and beautifully written drafts, are coming in much ahead of the "regular" season. It means business when business begins in September—and that's what it's done this blessed year. We used to look for spurts and spatters of orders in September, but this season we have really had no "dull months." Subscriptions have come in finely and subscriptions are the red corpuscles in the veins of a poultry journal, let us tell you! Advertising contracts are the bone and muscle, but subscriptions—real, paid-for, ordered-because-you-want-it subscriptions—are the oh-be-joyful of the trade.

We are glad to get these, and our gladness grows by what it feeds on, like young stock in the fancier's pet yard. We shall try to make THE JOURNAL worth your while.

In these good days, when one can go to work with energy and hope, we should all encourage the poultry business. There is no possibility of overdoing the market. This statement can be proved in a most convincing manner, and we shall submit evidence in future issues of THE JOURNAL.

There was never a time in the eleven years we have been associated with THE JOURNAL when the prospect for success was so gratifying. This being the case, we look for the best season ever known. There are more shows already announced than in any one year, and the spirit of progressive action is manifested on every hand.

THE JOURNAL congratulates the old patrons and offers cordial invitation to prospective ones to join in the big procession in 1900.

CHICAGO IN 1901.

T. F. McGrew, of New York, writes *the American Fancier* as follows:

"The proper time to arrange for the future is the present. There seems a disposition towards improvements and better things. There cannot be any reasonable doubt but that the time is at hand when the breeders and judges East and West should come together at some convenient time and place, so there may be a chance for a social exchange of thought. This does not seem practical for the coming winter. Date and location are against such a meeting at Cedar Rapids; there are too many shows of importance about that time and too many miles between many of us. Why not all of one voice join in having the meeting next following the Cedar Rapids held in Chicago? This could be a mutual understanding and their show dates could be so arranged as not to conflict with any other large event. All interested could have eighteen months to prepare for the Chicago meeting. No doubt one of the largest and most profitable gatherings of poultrymen ever held in America would be the result of such a prearranged program. This is a matter well worth consideration, and the attention of the poultry press at large is invited to consider the question and aid its completion should it meet their approval."

To which Mr. Drevenstedt replies with his customary earnestness:

"We think Mr. McGrew has plainly stated facts that every loyal member of the American Poultry Association must appreciate. The annual meetings of the old society should be held where, if possible, all active members and judges could attend. The A. P. J. should not be a side show to any poultry exhibit. We agree with Mr. McGrew that Chicago is an excellent place for the next meeting. In fact, we hope to see the annual meetings so widely distributed over the United States that no cry of sectionalism can ever arise in the future."

AMERICAN POULTRY JOURNAL assures the fraternity that a cordial welcome awaits those who come hitherward on poultry matters intent. This is quite a town, and the fanciers here are acquainted with measures of hospitality.

Two Earnest Fanciers.

WILLIAM PLUMHOFF.

On page 417 is given a notice of the Egyptian Poultry Association, with mention of the president and secretary. The portraits of the these gentlemen are herewith presented. William Plumhoff is a breeder of Golden Wyandottes, and is an active worker. A. S. Muller, of Nashville, Ill., is secretary of the Egyptian Association and is making a splendid effort to invite attention to that region. He will undoubtedly succeed in this laudable purpose. Southern Illinois offers a fine opportunity for the cultivation of pure bred poultry and Mr. Muller is one of the pioneers in this branch of industry. He purchased the first fine birds shown in his section and has proved the value of good stock.

A. S. MULLER.

Frank Heck, of New Albany, Ind., appreciates the value of good work in the poultry yard, and therefore understands how to get up a poultry advertisement. Excellence in one phase induces a demand for superiority in all things. His annual catalogue for 1899-1900 is a fine example of composition and printing. Public taste calls for the very best efforts in every direction, and Mr. Heck is a leader in the business. A change of ad in this issue of THE JOURNAL announces that this catalogue is now ready for White Plymouth Rock fanciers.

The Electric Wheel Company, whose several lines of goods are familiar to our readers, are out this season with a new feed grinder. Their card appears on another page. Any who intend buying a feed grinder will please write the Electric Wheel Company, Quincy, Ill., for special catalogue and mention AMERICAN POULTRY JOURNAL.

H. D. Page, of Ira, N. Y., won first prize on White and Black Minorcas at Oswego Falls, N. Y., Poultry show held Sept. 12-16, 1899. Mr. Page writes that he has some very fine stock that is winning prizes right along.

The Indian Runner Duck won every prize in that variety for R. B. & C. H. Dayton, of Remsenburg, N. Y., at the Suffolk County Fair, September 18. This firm is fast gaining a national reputation on these birds.

OLD BREEDS AND NEW.

Commenting upon the changes in popular favor regarding breeds, W. M. Elkington pays the American breeds the following high compliment in London *Stockkeeper*:

A good many people are under the impression that with the introduction of so many new breeds the older ones must consequently die out of public favor in order to make room. Indeed, they even assert that matters are already tending in that direction, and that the total loss of the Spanish and the dwindling in the ranks of Cochin and Brahma fanciers gives additional weight to the assertion. Matters seem to have come to such a pass that many of those persons, enthusiasts of some of the latter-day varieties, look upon the more established breeds with utter disdain, and are so enamored of the new that the virtues of the old are quite lost sight of.

But, in the first place, it is hard to draw the mark of distinction between the old breeds and the new. To begin, partisans of the former would certainly claim the Game varieties, both Modern and Old English, and few will deny that this section of the Fancy is the most influential of all. Then, again, one cannot, even with a stretch of imagination, class the Leghorns and the Minorcas among the new breeds, yet those are the most popular and widely kept of all the light varieties. It would be a libel to call the Dorking an effete breed, and as for the Langshan, letting alone the fact that the modern type differs considerably from the original, one must acknowledge it one of the most popular and useful of the old varieties, whether he gives it credit for being a distinct breed, or continues in ignorance to assert that it is but an offshoot of the black Cochin. Coming to Brahmas and Cochins, I would not care to express the opinion that these handsome breeds are dying out. I would rather hope for their continued prosperity, and trust that their patrons may always be attracted, as they have been in the past, on æsthetic and not economic grounds. For it must be acknowledged that these heavy breeds have not fulfilled the promise that was made of them when they were introduced to this country to solve the question of profitable poultry keeping. It may be that climatic conditions have not been just to their liking. At any rate, upon utility grounds they cannot hope to compete with the majority of the later introductions. And as so many fanciers commence nowadays with the intention of keeping birds for commercial purposes, and later emerge into the wider channels of the Fancy, there is but small chance of new patrons being attracted to these expensive breeds. However, they may fairly claim to enjoy the favor of the very best class of fanciers, inasmuch as those who are attached to them will become so purely from a love of their characteristics, without being affected by motives of financial profit.

To turn to the new breeds, one cannot help seeing a reflection of the present-day enterprise. He who brings out a new variety nowadays must not only be blessed with originality, but he must include in his birds every poultry virtue that is held to be desirable. If he dared to introduce a variety that promised the greatest things in exhibiting breeding, it would run a great chance of being voted a dead failure unless it possessed a large share of utility qualities; for this is the age of utility, and, whether fanciers will or not, they know they must include domestic virtues in their strains if they are to be made acceptable to the poultry-buying public. There are exceptions, of course, where owners of a champion exhibition strain can afford to turn their attention solely to fancy points. But in these days, when there are so many thousands of fanciers, and only a certain number can win prizes, the majority prefer to assure themselves of a certain amount of profit from utility sources in preference to trusting solely to returns from exhibiting.

There are few but will admit that for all-round excellence some of the new American breeds, such as the Wyandottes and the Plymouth Rocks, are without an equal among the older varieties. And this is all on account of economic qualities, which again points to the fact that utility must come in for consideration. The Orpington, as a new English breed, amply fulfills the requirements of the people, and has consequently come in for world-wide popularity. The Ancona, though not by any means a new breed, but lately introduced, is rapidly making its way to the front by reason of its extraordinary laying powers. And in the same way every branch of a breed that is introduced will meet with a fair share of popularity provided that it possesses the requisite and necessary utility qualities.

All this is very desirable, and it amply denies the statements that have been so freely circulated, to the effect that fanciers lose all sight of utility qualities. It stands to common sense that a breeder who has his head screwed on the right way, and who depends for his living upon his sales, will not fail to cultivate a quality that his customers require, no matter how good his fancy strain. And far from those useful qualities having been relegated to the background, they have in reality been considerably improved, often at great expense to other characteristics. So that at the present time the utility status of exhibition poultry is higher than it has ever been, and in all probability is steadily being raised until grumblers will have nothing more to cavil at.

The truth is that the distinction between new and old breeds does not exist. Whatever variety suits a fancier's taste or his surroundings that will he be most successful with, whether it be a Cochin or the newest species of Wyandotte. To the commencing amateur the choice is a large one. He may safely take stock of every breed that one finds in the poultry book. But the probability is that after a careful search he will fix his appreciation upon one of those varieties that does not depend for popularity solely upon fancy qualities, and that may be made profitable and pleasurable apart from the show pen. And he will find those varieties among both the old and the new. So that the real matter worthy of his consideration is the characteristics of individual breeds, and not the mere modernity or antiquity of certain sections.

———o———

George Stahmer, of Oak Park, Ill., has a very interesting change of ad in this issue. Mr. Stahmer is a member of the American Rose-comb Brown Leghorn Club, and his ads show that he pays especial attention to the advertising end of his business.

Death to Lice Remedies.

YOU CANNOT

make a success of poultry keeping unless you continually fight against the insect pests. You cannot always, sometimes tell whether hens are lousy or not, unless you look them over often and closely, especially among their fluffy feathers around the thighs and vent. You cannot expect hens to lay eggs molt nicely and support a lot of vermin. You cannot blame them if they die. in the attempt.

YOU CANNOT

rear your winners and a crop of lice on the same place, and you cannot make money enough to buy any under these conditions. You cannot afford to do business that way. You cannot do a more sensible thing than to use Lambert's Death to Lice Powder. You cannot injure your show birds with it. You cannot use too much. You cannot stain or injure the finest plumage even if dusted while on exhibition.

YOU CANNOT

find any fault when we let others also tell our story:

Monticello, Ga. Aug., 11th, 1899.

D. J. Lambert, Apponaug, R. I.

DEAR SIR:—We use your Death to Lice constantly, and have been using it for the past six years, buying it from your state agent in large quantities. We have tried all kinds of powder, liquid and other insecticides and state unhesitatingly that we would rather have one pound of D. to L. than five pounds of other preparations at same money. E. S. Broddus, Manager,
The Central Georgia Poultry & Pet Stock Yards.

YOU CANNOT

make a mistake and order too much Death to Lice. If not satisfactory or does not sell we buy it back at any time. You cannot do a better thing than to stock these remedies in full. You cannot fail to make a good profit on the venture. You cannot lose money. You cannot find a more liberal inducement than what I offer. You cannot learn all the good purposes for Death to Lice until you have tried it.

YOU CANNOT

spend a cent to better advantage than to buy a postal card and send me your address for "Pocket Book Pointers." You cannot fail to find something in them to interest and instruct you. Remember we make a "Powder" for body lice on fowls and large chickens. An "Ointment" for head lice on children or chickens. "Special" for dissolving in kerosene as a liquid louse killer, or paint. Samples 10c each, all three for 25c.

D. J. LAMBERT,
Box 308. Apponaug, R. I.

Too Many Answers.

Chas. Fifield, Youngstown, O., March 24, 1899.—Take out my small ad of incubator for sale. Have had 40 replies from all over the U. S. I don't want to answer any more letters. Incubator is disposed of.

Sells Eggs.

F. A. Doolittle, McIntire, Ia., April 12. 1899.—I have had the best egg trade this year I have ever had, and thank American Poultry Journal for a good share of it. I have yet to see the poultry publication that beats it.

Pleased With Results.

L. H. Edwards, Lafayette, Ind., April 13, 1899.—I am so well pleased with results from my ad in American Poultry Journal that I don't want it changed. The Journal deserves its success.

Orders Were Too Plenty.

G. C. Flegel, Westville, Ind., April 5, 1899.—My business from ad in American Poultry Journal has been very satisfactory—so much so I was obliged to return good cash in February, being unable to supply orders.

SPECIAL OFFER—Page's Black and White Minorcas. To introduce stock, all $5 orders will receive a sitting of my best eggs free. Stock guaranteed. Eggs in season $1.50 and $2. No W. Minorca stock for sale Circs. free. H. D. Page, Ira, Cayuga Co, N. Y

MENTION OF COMING SHOWS.

The National Exhibition Game and Game Bantam Club has added many new members to its roll since the last list of members was issued, and everything is pointing to a greater than usual interest, even in Games and Game Bantams, during the coming winter. The club will meet with the Chicago Association in January, and only regrets that it is not practicable to accept all the invitations received from other associations, for it would give us the greatest of pleasure to meet wherever we are wanted. The coming exhibit of Games at Chicago is going to be an eye-opener, and the public may expect a most enthusiastic gathering of Game cranks there at that time. The prizes to be offered will be very attractive, and whoever competes must bring his best birds, for the "crackerjacks" will be out in full force. The club circular is mailed free on application and gives full particulars about this lively organization. Do not delay sending for one, and then hasten to identify yourself with this very progressive movement in favor of the Game fowl. J. C. PRATT,
Secretary.
170 Adams street, Chicago, Ill.

Michigan State Association.

The Michigan State Poultry and Pigeon Association will hold their eighth annual exhibition at Detroit, Jan. 8-12, 1900, with Sharp Butterfield, H. A. Bridge and Jas. A. Tucker as judges. The preliminary work is progressing and the show promises to be the largest ever held in the state. The catalogue is well under way and any wishing advertising space should communicate with the secretary at once. We would be pleased to have as many exhibit with us as possible, and as secretary will do all in my power to give satisfaction. J. A. GROVER.
Concord, Mich.

Alabama State Fair.

President H. J. McCafferty, of the Alabama Poultry and Pet Stock Association, who has been appointed superintendent of the poultry department of the Alabama State Fair, which commences November 7 and continues for ten days at Birmingham, Ala., has issued the following announcement to the poultry, pigeon and pet stock fanciers: "The Alabama Poultry, Pigeon and Pet Stock Association have decided to hold their fifth annual exhibition in connection with the Alabama State Fair. We want a large Alabama exhibit in this department. The State Fair Association offers liberal premiums, both cash and specials. For further information write H. J. McCafferty, Birmingham, Ala., superintendent of poultry department, Alabama State Fair Association, and president of Alabama Poultry, Pigeon and Pet Stock Association."

Shelby Poultry Association.

The Shelby, N. C., Poultry Association is announced to be the best show south this year. The officers are all hustlers and men of long experience in breeding and conducting shows and know how to run a big show. They have had four shows and the last one was a hustler. This year the exhibiters will come from several different states. The premium list will be attractive and everything possible to add to the enjoyment of the visitors will be done. The secretary is R. L. Simmons. The judging will be done by Geo. H. Northup and Stephen T. Lea on poultry, and Frank E. Hege on pet stock. Date, Dec. 1 to 5.

Butler County (Neb.) Association.

At a meeting of the Butler County (Neb.) Poultry Association, August 15, 1899, Jos. Kay, David City, Neb., was elected secretary and treasurer, in place of G. W. Osterhout, resigned. Their show will be held Dec. 19 to 23. C. H. Rhodes, North Topeka, Kan., judge.

Southwestern Poultry Association.

The Southwestern Poultry Association is incorporated under the laws of the state of Iowa. This association will hold its fourth annual show at Sidney, Ia., December 26-29, 1899, inclusive. The premium list will be out about November 1, and will be cheerfully mailed upon application of the secretary, A. B. Waterman, Sidney, Ia.

The Illinois Fanciers' Association.

The Illinois Fanciers' Association will hold its annual poultry show at Lanark, Ill., Jan. 1-6, 1900. D. J. Lambert, judge. This is a corporation organized and incorporated under the laws of Illinois with a capital stock of $2,000, subscribed for the purpose of holding annual exhibitions of poultry and pet stock. It is the first Poultry Association in Illinois to incorporate with a capital stock. The advantages of which are apparent, as it combines capital with experience, thereby providing sufficient funds to meet all necessary expenses in holding its annual exhibitions and paying its premiums promptly. For further information address E. D. Leland, secretary, Lanark, Ill.

Southern Societies Combine.

The Southern Poultry Association, of New Orleans, has decided to hold its show with the Southwestern Association, at Dallas, Tex., Dec. 12. J. E. Lawcher, Dallas, is secretary.

Miami Poultry Association.

The Miami Poultry Association will hold their fourth annual exhibition Nov. 28 to Dec. 4, inclusive. H. A. Bridge has been engaged as judge, and S. B. Groby, Miamisburg, O., is secretary.

Girard Association.

The Girard, Ill., Poultry Association will hold its first annual show Dec. 5 to 8. Liberal premiums will be offered. A. B. Shaner, judge. S. S. Huber, Girard, Ill., secretary.

NEW YORK STATE FAIR.

All admit the State Fair held last month to be the par excellence of the early fall shows yet held in the East. The quality of stock and perfection of management are praised on all sides. No one had a sure thing and many surprises came to us in the winning of honors by the unexpected. The judging was done by Messrs. Drevensteadt and Zimmer, to the satisfaction of all. Mr. Santee judged the Minorcas and Mr. Jager the water fowls to oblige these gentlemen. All admit the work well done.

The following is a list of entries:

Single entries	1,240
Breeding pens, 116, 5 each	580
Turkeys in pairs, 7, 2 each	14
Geese in pairs, 23, 2 each	46
Ducks in pairs, 47, 2 each	94
Other fowls in pairs, 28, 2 each	56
Pigeons	240
Rabbits and pets	20
Total	2,290

INCUBATOR ON TRIAL. NOT ONE CENT UNTIL TRIED

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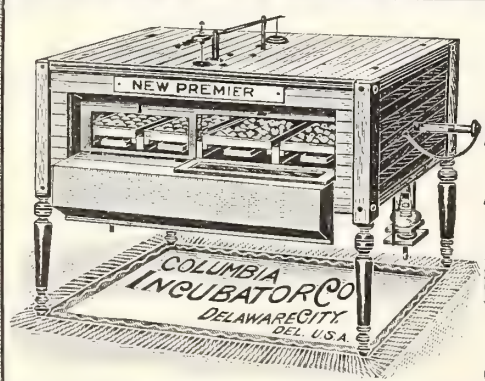

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Merits
A child can run it. AUTOMATIC.
Five minutes' attention a day will run it.
Ten cents worth of oil will make a hatch.
No expensive buildings needed for it.
Can be run under a shed, attic roof or anywhere out of rain and wind.

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Toronto Exposition, Canada, 1894
Tennessee Centennial, - - 1897
Trans-Mississippi Exposition, 1898

Any responsible person can get our machine on trial, and send the money after trial. Get it, put it in competition with any other machine made. Descriptive catalogue, mailed for 2c.

SET OF PLANS FOR POULTRY HOUSES, 25c.

We are also exclusive manufacturers of the
COLUMBIA AND SIMPLICITY INCUBATOR.

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COLUMBIA INCUBATOR CO., 2 ADAMS ST., DELAWARE CITY, DEL.

GLEN RAVEN EGG FARM.

Editor American Poultry Journal.

The molting season with the fowls (which is now at hand) is a dull and trying time with the fanciers and egg-farm people—a time when all would like, if possible, to at least make their fowls pay cost of keep of all, including the young growing stock. To slight the fowls at this period means loss to the owner; to feed well through this time brings profit later on. The hen that is fed well at this season and kept fat will molt easily and quickly, will lay longer up into the process of molting, and commence to lay sooner afterwards. When hens are putting on their new coat, no process of feeding will induce them to lay. Some hens molt slowly and will lay well on up into molt, while others seem to drop most all their feathers within a short time.

All fowls, whether slow or fast molters, will take their rest from laying as nature has fixed for them, but high feeding at this time will bring good results soon.

To partly amend for this dull season we can hatch and rear a good many pullets during the months of February and March. If they are of the light breeds, they will all be laying through the molting time of the older birds. In order to do this successfully we must have warm houses for the breeding stock and have them mated before cold weather. A good incubator, with suitable fixtures to care for the chicks, will be necessary in carrying on this work.

We have built some twenty poultry houses during the past fifteen years; the last one being the best of them all. It is warm and durable, being made of stone and concrete. It is wind and frost proof. With the temperature at thirty below zero last winter the cold did not check the laying, or frost the highest combs of the Minorcas and Leghorns.

If we would make a success of poultry keeping we must fix to be independent of the cold in winter and the hot rays of the sun in summer. Frost-proof houses for winter and shady runs for summer bring about success and profit to the poultryman. There is no idle time for the chicken man. He must be up and doing at all times.

There is always a demand for early hatched, well developed cockerels, at prices to justify their raising. They are out in full dress at show time and the choicest of them may win some honors for us.

But even setting the fancy part of the business aside and viewing the matter from a market standpoint, the warm house, the high feeding, the incubator, a cellar for it, and the fixtures are all indispensable for best results in successful poultry culture.

If this is not good practical chicken sense, then we are not a success on an egg farm.

GEER BROTHERS.

Farmington, Mo.

—o—

We are in receipt of samples of the new "Eclipse" leg band, manufactured by B. F. Huntington, Platteville, Wis. The band is made of aluminum, is neat in appearance and durable. It is easy to put on, and most important of all, it will stay on. The band is positively locked on the fowl's leg beyond a possibility of its being lost off. For prices see ad in THE JOURNAL, or send to the manufacturer for free sample.

CREMATION LIQUID

LICE KILLER don't mean you to burn the building to exterminate the lice. **CREMATION LIQUID** is guaranteed to be the **SIMPLEST, CLEANEST, most ECONOMICAL** and **EFFECTIVE** lice killer or bed bug liquid yet produced. Does not soil or leave greasy stains. The only liquid for the fancy poultryman.

1 Gallon 50c; 5 Gallons $2.

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G. & C. Merriam Co., Publishers, Springfield, Mass., U. S. A.

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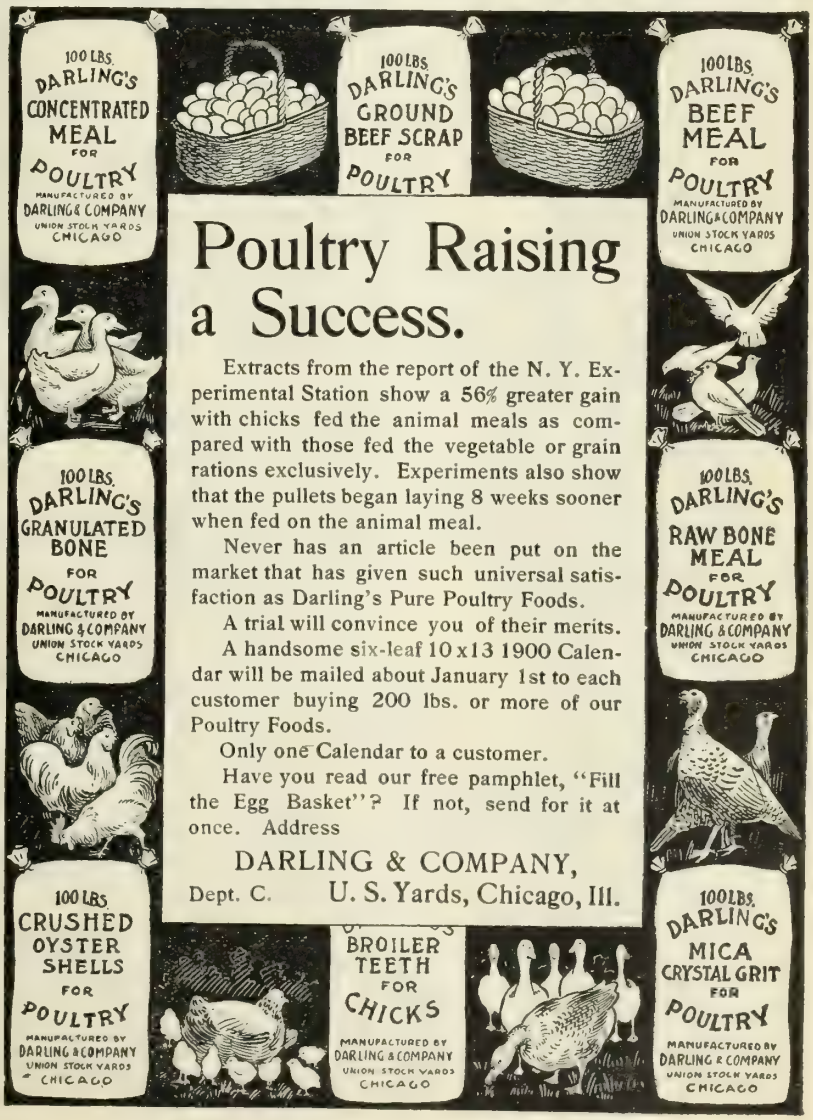

Poultry Raising a Success.

Extracts from the report of the N. Y. Experimental Station show a 56% greater gain with chicks fed the animal meals as compared with those fed the vegetable or grain rations exclusively. Experiments also show that the pullets began laying 8 weeks sooner when fed on the animal meal.

Never has an article been put on the market that has given such universal satisfaction as Darling's Pure Poultry Foods.

A trial will convince you of their merits.

A handsome six-leaf 10x13 1900 Calendar will be mailed about January 1st to each customer buying 200 lbs. or more of our Poultry Foods.

Only one Calendar to a customer.

Have you read our free pamphlet, "Fill the Egg Basket"? If not, send for it at once. Address

DARLING & COMPANY,

Dept. C. U. S. Yards, Chicago, Ill.

SEASON OF 1899-1900.

For the information of the exhibiters of the country and A. P. J. readers we give the following list of judges' dates. We will be glad to add other names to this list and request judges to send their dates as soon as decided upon:

W. S. Russell, Ottumwa, Ia.:
Nov. 28-Dec. 2, 1899—Hamilton, Ohio.
Dec. 4-9, 1899—Macon, Mo.
Dec. 11-16, 1899—Bloomington, Ill.
Dec. 18-23, 1899—Belding, Mich.
Dec. 25-28, 1899—Marshalltown, Ia.
Dec. 27-31, 1899—Keota, Ia.
Jan. 2-6, 1900—Wichita, Kan.
Jan. 8-13, 1900—Quincy, Ill.
Jan. 15-20, 1900—Lincoln, Neb.
Jan. 22-27, 1900—Chicago, Ill.

B. N. Pierce, Indianapolis, Ind.:
Dec. 4-9, 1899—Roachdale, Ind.
Dec. 9-16, 1899—Indianapolis, Ind.
Dec. 18-23, 1899—Memphis, Tenn.
Dec. 25-28, 1899—Elgin, Ill.
Dec. 26-30, 1899—Danville, Ill.
Jan. 3-7, 1900—Joliet, Ill.
Jan. 8-13, 1900—New Albany, Ind.
Jan. 16-20, 1900—Cincinnati, O.
Jan. 17-24, 1900—Kokomo, Ind.
Jan 22-27, 1900—Chicago, Ill.

D. T. Heimlich, Jacksonville, Ill.:
Sept. 5-8, 1899—Rockford, Ill.
Dec. 11-16, 1899—Jacksonville, Ill.
Dec. 18-23, 1899—Wenona, Ill.
Dec. 26-29, 1899—Aurora, Ill.
Jan. 2-7, 1900—Winona, Minn.
Jan. 8-14, 1900—New Albany, Ind.
Jan. 15-21, 1900—Pueblo, Colo.
Jan. 30-Feb. 2, 1900—Carlinville, Ill.

I. K. Felch, Natick, Mass.:
Nov. 22-25, 1899—Amesbury, Mass.
Nov. 51-Dec. 2, 1899—Fitchburg, Mass.
Dec. 4-5, 1899—Greenfield, Mass.
Dec. 6-9, 1899—Adams, Mass.
Dec. 12-16, 1899—Crestline, O.
Dec. 18 22, 1899—Jackson, Mich.
Dec. 26-31, 1899—Waupaca, Wis.
Jan. 8-12, 1900—Waco, Tex.
Jan. 17-20, 1900—Kansas City, Mo.
Two others still under discussion for Jan. 20 to Feb. 2.

F. H. Shellabarger, West Liberty, Ia.:
Nov. 1-4, 1899—Charles City, Ia.
Nov. 28-Dec. 2, 1899—Hebron, Neb.
Dec. 13-15, 1899—Jefferson, Ia.
Dec. 18-23, 1899—Iowa Falls, Ia.
Dec. 27-30, 1899—Galena, Ill.
Jan. 2-6, 1900—Le Mars, Ia.
Jan. 8-13, 1900—Topeka, Kan.
Jan. 23-26, 1900—Iowa City, Ia.
Jan. 29-Feb. 2, 1900—Henry, Ill.

Jas. A. Tucker, Concord, Mich.:
Dec. 11-14, 1899—Battle Creek, Mich.
Dec. 14-15, 1899—Owosso, Mich.
Dec. 19-23, 1899—Wayne, Mich.
Dec. 26-29, 1899—Kalamazoo, Mich.
Jan. 2-6, 1900—Lebanon, Ind.
Jan. 8-12, 1900—Detroit, Mich.
Jan. 15-19, 1900—Cedar Rapids, Ia.
Jan. 24-27, 1900—Fremont, Ohio.

D. J. Lambert, Apponaug, R. I.:
Nov. 28, 1899—Danbury, Conn.
Nov. 29-Dec. 1, 1899—Brockton, Mass.
Dec. 5-8, 1899—So. Framington, Mass.
Dec. 12-14, 1899—Milford, Mass.
Dec. 19-22, 1899—Wakefield, R. I.
Dec. 22-25, 1899—Seymour, Conn.
Dec. 28, 1899-Jan. 1, 1900—Canton, O.
First week in January, 1900—Lanark, Ill.
Jan. 10-12, 1900—Charlotte, N. C.
Jan. 15-20, 1900—Cedar Rapids, Ia.

Chas. McClave, New London, Ohio.:
Nov. 27-Dec. 1, 1899—North East, Pa.
Dec. 11-15, 1899—Sycamore, Ohio.
Dec. 19-22, 1899—Meadville, Pa.
Dec. 22-25, 1899—Geneva, Ohio.
Dec. 26-30, 1899—Wooster, Ohio.
Jan. 1-5, 1900—Painesville, Ohio.
Jan. 5-9, 1900—Erie, Pa.
Jan. 9-12, 1900—Freeport, Ill.
Jan. 12-15, 1900—Dayton, Ohio.
Jan. 15-19, 1900—Columbia City, Ind.
Jan. 21-27, 1900—Louisville, Ky.

C. H. Rhodes, North Topeka, Kansas:
Nov. 22-25, 1899—Richmond, Mo.
Nov. 29-Dec. 2, 1899—McPherson, Kan.
Dec. 4-9, 1899—Newton, Kan.
Dec. 11-15, 1899—Kingston, Mo.
Dec. 16-18, 1899—Ford City, Mo.
Dec. 18-23, 1899—David City, Neb.
Dec. 26-28, 1899—Superior, Neb.
Dec. 28-30, 1899—Delphos, Kan.
Jan. 2-6, 1900—Beloit, Kan.
Jan. 8-13, 1900—Kingfisher, Okla.
Jan. 15-17, 1900—Great Bend, Kan.
Jan. 17-20, 1900—Pratt, Kan.
Jan. 29-Feb. 1, 1900—Leavenworth, Kan.

H. A. Nourse, Barre, Mass.:
Dec. 13-14, 1899—Fall River, Mass.
Jan. 2-5, 1900—Woodstock, Vt.
Jan. 9-11, 1900—Milford, N. H.

Thos. F. Rigg, Iowa Falls, Ia.:
Dec. 18-23, 1899—Iowa Falls, Ia.
Jan. 15-20, 1900—Boston, Mass.
Jan. 22-27, 1900—Chicago, Ill.

W. B. Atherton, Randolph, Mass.:
Oct. 4-6, 1899—Brockton, Mass.
Nov. 30-Dec. 2, 1899—Brockton Fanciers' Club.
Dec. 4, 1899—Greenfield, Mass.
Dec. 5-6, 1899—Clinton, Mass.
Dec. 12-13, 1899—Haverhill, Mass.
Dec. 14, 1899—Fall River, Mass.
Jan. 3-5, 1900—Peabody, Mass.
Jan. 9-11, 1900—Milford, Mass.

J. D. Nevins, Philadelphia, 403 Providence Building:
December, 1899—Worcester, Mass.
January, 1900—Quincy, Ill.

L. P. Harris, Palmyra, Neb.:
Nov. 21-24, 1899—Nelson, Neb.
Nov. 29-Dec. 2, 1899—Malvern, Ia.
Dec. 5-8, 1899—Belleville, Kan.
Dec. 7-9, 1899—Manhattan, Kan.
Dec. 13-15, 1899—Aurora, Neb.
Dec. 19-23, 1899—Clay Center, Neb.
Dec. 26-29, 1899—Orleans, Neb.
Jan. 4-6, 1900—North Bend, Neb.
Jan. 10-13, 1900—Syracuse, Neb.
Jan. 15-19, 1900—Denver, Colo.
Fall fairs not included. Other winter shows under consideration.

Geo. H. Northrup, Raceville, N. Y.:
Nov. 28-Dec. 2, 1899—Philadelphia, Pa.
Dec. 2-5, 1899—Shelby, N. C.
Dec. 5-8, 1899—New Bedford, Mass.
Jan. 16-18, 1900—Port Huron, Mich.
Other engagements pending.

Ben S. Myers, Crawfordsville, Ind.:
Dec. 4-7, 1899—O'Fallon, Ill.
Dec. 9-16, 1899—Indianapolis, Ind.
Dec. 18-24, 1899—Oakland City, Ind.
Jan. 2-7, 1900—Georgetown, Ill.
Jan. 11-15, 1900—Bunker Hill, Ind.
Jan. 16-19, 1900—Belvidere, Ill.
Several other shows pending.
Aug. 28-31, 1899—Hoopestown, Ill., Fair.
Sept. 4-9, 1899—Shelbyville, Ind., Fair.

D. M. Owen, Athens, Tenn.:
Dec. 12-17, 1899—Austin, Tex.
Dec. 18-23, 1899—Memphis, Tenn.
Jan. 16-19, 1900—Ft. Worth, Tex.

Theo. Hewes, Trenton, Mo.:
Nov. 20-22, 1899—Mazon, Ill.
Nov. 23-25, 1899—Erie, Ill.
Nov. 27-29, 1899—Cainsville, Mo.
Nov. 30-Dec. 2, 1899—Montgomery City, Mo.
Dec. 4-8, 1899—Sedalia, Mo.
Dec. 11-13, 1899—Crete, Neb.
Dec. 14-16, 1899—McCook, Neb.
Dec. 18-20, 1899—Mt. Pulaski, Ill.
Dec. 21-23, 1899—Palmyra, Ill.
Dec. 25-30, 1899—Bardolph, Ill.
Jan. 1-3, 1900—Blair, Neb.
Jan. 4-6, 1900—Cedar Falls, Iowa.
Jan. 8-13, 1900—Quincy, Ill.
Third week January, 1900—Tacoma, Wash.
Fourth week January, 1900—Spokane, Wash.
Three more shows pending.

A. B. Shaner, Lanark, Ill.:
Nov. 14-17, 1899—Garner, Ia.
Nov. 28-Dec. 2, 1899—Rock Island, Ill.
Dec. 5-8, 1899—Girard, Ill.
Dec. 12-15, 1899—Lincoln, Ill.
Dec. 19-22, 1899—Thornton, Ind.
Dec. 26-29, 1899—Portland, Mich.
Jan. 2-6, 1900—Dubuque, Ia.
Jan. 9-13, 1900—Burlington, Wis.
Jan. 16-20, 1900—Broadhead, Wis.

SHOW DATES FOR 1899—1900.

The following information regarding the coming shows is kindly furnished us by the secretaries of the associations and is guaranteed to be correct, as all information is received direct from each secretary. We will consider it a favor to A. P. J. readers and ourselves to receive from secretaries the dates of shows not already included in this list.

1899.

Oct. 10-14.—Hagerstown, Md. Hagerstown Fair. John L. Cost, supt. of poultry; G. O. Brown, J. H. Drevenstedt, F. B. Zimmer, Wm. Stanton, David Nichols, judges.

Oct. 17-20.—Frederick, Md. Frederick Co. Agricultural Society. Geo. O. Brown, judge in poultry department; Harry C. Keefer, sec'y.

Nov. 15-18.—San Jose, Cal. Santa Clara Valley Poultry Club. Judges: O. J. Albee, Brown Leghorns; H. G. Keesling, Langshans; E. H. Freeman, Asiatics; Henry Berrar, all other classes; W. P. Lyon, Eden Vale, Cal., sec'y.

Nov. 21-25.—Fresno, Cal. Fresno Poultry Assn. Ben M. Woodhull, W. O. Moore, judges; E. F. Mitchell, Oleander, sec'y.

Nov. 21-23—Magon, Ill., Magon Poultry Association. Theo. Hewes, judge; Dr. O. P. Bennett, sec'y.

Nov. 22-24.—Roscoe, Ohio. The Roscoe Poultry Assn. H. A. Bridge, judge; C. N. Randles, sec'y.

Nov. 27-Dec. 2.—North East, Pa. North East Poultry Assn. Chas. McClave, judge; E. Moulthrope, supt.; W. B. Graham, sec'y.

Nov. 22-25—Hamler, O., Hamler Poultry, Pigeon and Pet Stock Club. J. I. Montgomery, sec'y.

Nov. 22-25.—Richmond, Mo. Ray Co. (Mo.) Poultry and Pet Stock Assn. C. H. Rhodes, judge; Jas. M. Deacy, sec'y.

Nov. 28-Dec. 2.—Rock Island, Ill. Western Illinois Poultry and Pet Stock Association. A. B. Shaner, poultry judge; M. J. Kelley, pet game judge; Robert Kuschmann, pigeon judge; C. F. Kammerer, sec'y.

Nov. 28-Dec. 2.—Philadelphia, Pa. Keystone Poultry, Pigeon and Pet Stock Association of Philadelphia. H. Kline, sec'y.

Nov. 28-Dec. 2.—Charlotte, Mich. Charlotte Fanciers' Association. Sharp Butterfield, judge; F. M. Grier, sec'y.

Nov. 29-Dec. 1.—Brockton, Mass. Brockton Poultry Association. J. W. Shaen, D. J. Lambert, W. B. Atherton, judges; W. L. Puffer, sec'y.

Nov. 29-Dec. 2.—Hebron, Neb. Thoyer Co. (Neb.) Poultry Club. F. H. Shellabarger, judge; D. J. Richards, sec'y.

Nov. 27-30—Cainsville, Mo., Harrison County Poultry Association. Theo. Hewes, judge; Mrs. R. O. Woodward, sec'y.

Nov. 28-Dec. 4—Miamisburg, O., Miami Poultry Association. H. A. Bridge, judge; S. B. Groby, sec'y.

Dec. 1-5—Shelby, N. C., Shelby Poultry Association. Geo. H. Northup, S. T. Lea, poultry judges; Frank E. Hege, pet stock judge; R. L. Simmons, sec'y.

Dec. 4-9.—Lansing Mich. Central Michigan Poultry, Pigeon and Pet Stock Association. Sharp Butterfield, judge; Jas. C. Welch, sec'y.

Dec. 4-8.—Elmira, N. Y. Elmira Poultry Assn. F. B. Zimmer, Geo. H. Burgott, judges; Judd H. Johnson, sec'y.

Dec. 4-8.—Macon, Mo. North Missouri Poultry and Pet Stock Assn. W. S. Russell, judge; E. M. Durham, sec'y.

Dec. 5-7.—Torrington, Conn. Torrington Poultry Assn. P. H. Scudder, A. S. Stillman, judges; Fred M. Leach, Box 384, sec'y.

Dec. 5-8.—Ellsworth, Wis. West Wisconsin Poultry Association. Geo. D. Holden, judge; L. A. Brown, sec'y.

Dec. 5-8.—Clinton, Mass. Clinton Poultry Assn. A. C. Hawkins, H. B. May, Schley, Bumford Atherton, judges; E. G. Burdett, sec'y.

Dec. 5-8.—Westerly, R. I. Rhode Island Poultry Assn. C. S. Flanders, H. S. Ball, judges; H. S. Babcock, 74 Weybosset st., Providence, R. I., sec'y.

Dec. 5-9.—New Bedford, Mass. New Bedford Poultry Assn. Geo. H. Northrup, Newton A. Knapp, judges; J. W. Owen, sec'y.

Dec. 6-8.—O'Fallon, Ill. O'Fallon Poultry Club. Ben S. Meyers, judge; Chas. A. Fiedemann, sec'y.

Dec. 6-9.—Johnstown, N. Y. Adirondack Poultry and Pet Stock Association. H. J. Quilhot, sec'y.

Dec. 6-9.—Petoskey, Mich. Northern Michigan Poultry Assn. Sharp Butterfield, judge; A. M. Coburn, sec'y.

Dec. 11-15.—Crete, Neb. Blue Valley Poultry Association. Theo. Hewes, judge; C. B. Perry, sec'y.

Dec. 11-15.—Fredonia, N. Y. Chautauqua Co. Poultry and Pigeon Assn. J. Y. Bicknell, Theo. Johnson, judges; H. D. Kirkover, Jr., supt.; P. R. Bartram, sec'y.

Dec. 11-15—Polo Mo., Northern Missouri Poultry Assn. C. H. Rhodes, judge; R. V. Glenn, sec'y.

Dec. 11-16—Jacksonville, Ill. D. T. Heimlich, judge; Chas. W. Reynolds, sec'y.

Dec. 11-16.—Indianapolis, Ind. Fanciers' Association of Indiana. B. N. Pierce, Ben S. Meyers, judges; J. C. Tarkington, sec'y.

Dec. 11-16.—Worcester, Mass. Worcester Fur and Feather Club. J. I. Lawrence, sec'y.

Dec. 11-16.—Bloomington, Ill. Bloomington Poultry Association. W. S. Russell, judge; F. C. Luettig, sec'y.

Dec. 12—Southern Poultry Assn. unite with Southwestern Assn. at Dallas, Tex. J. E. Lawther, sec'y., Dallas.

Dec. 12-15.—Nashville, Ill. Egyptian Poultry Association. A. S. Muller, sec'y.

Dec. 12-15.—Nicholasville, Ky. Blue Grass Poultry Association. N. J. Geoby, judge; W. S. Hendren, sec'y.

Dec. 12-15.—Sycamore, O. Sycamore Poultry and Pet Stock Association. Chas. McClave, judge; E. A. St. John, sec'y.

Dec. 12-15.—Mason City, Ia. Cerro Gordo Poultry and Pet Stock Assn. Geo. D. Holden, judge; John D. Reeler, sec'y.

Dec. 12-14.—Milford, Mass. Milford Poultry Assn. H. S. Ball, H. B. May, D. J. Lambert, judges; W. H. Pyne, sec'y.

Dec. 12-16—Lincoln, Ill., Logan County Poultry, Pigeon and Pet Stock Assn. H. C. Alexander, Box 87, sec'y.

Dec. 12-16.—Crestline, O. Crestline Fanciers' Association. I. K. Felch, judge; E. R. Warden, sec'y.

Dec. 12-16.—Haverhill, Mass. Merrimack Valley Poultry and Pet Stock Assn. A. C. Hawkins, W. B. Atherton, C. A. Ballou, N. A. Knapp, judges; Geo. I. Davis, No. 10 Arlington st., sec'y.

Dec. 13-16.—West Chester, Pa. West Chester Poultry and Pigeon Assn. Sharp Butterfield, judge; Edw. S. Hickman, Cheyney, Pa., sec'y.

Dec. 18-23.—Iowa Falls, Ia. Iowa Falls Poultry Assn. F. H. Shellabarger and Thos. F. Rigg, judges; Walter Cutting, sec'y.

Dec. 18-23.—Fort Smith, Ark. Arkansas State Poultry and Pet Stock Assn. H. A. Bridge, judge; H. B. Mizell, Pine Bluff, Ark., sec'y.

Dec. 18-20.—Oakland City, Ind. The Wabash Valley Poultry, Pigeon and Pet Stock Association. Ben S. Meyers, judge; P. L. R. Crowder, sec'y.

Dec. 18-22.—Wenona, Ill. Wenona Poultry and Pet Stock Assn. D. T. Heimlich, judge; Otis Montgomery, sec'y.

Dec. 18-22.—Toronto, Canada. Toronto Poultry Assn. J. H. Drevenstedt, L. G. Jarvis, Wm. McNeil, R. H. Essex, poultry judges; C. F. Wagner, pigeon judge; Dr. A. W. Bell, 536 Ontario st., sec'y.

Dec. 18-22.—Jackson, Mich. Jackson Poultry Fanciers' Assn. I. K. Felch, judge; W. H. Eaton, sec'y.

Dec. 18-23.—Mt. Pulaski, Ill. Mt. Pulaski Feathered Stock Assn. Theo. Hewes, judge; W. J. Lincoln, sec'y.

Dec. 18-23.—Belding, Mich. Silk City Poultry Assn. W. S. Russell, judge; Leonard Smith, sec'y.

Dec. 19-23.—David City, Neb. Butler Co. Poultry Assn. C. H. Rhodes, judge; Jos. Kay, sec'y.

Dec. 19-22.—Paxton, Ill. Central Eastern Illinois Poultry Assn. I. N. Barker, judge; E. B. Pitney, sec'y.

Dec. 19-23.—Salina, Kan. Salina Co. Poultry, Pigeon and Pet Stock Assn. W. B. Hathaway, judge; W. C. Sherrill, sec'y.

Dec. 19-26.—Meadville, Pa. Meadville Fanciers' Club. Chas. McClave, judge; H. L. Lamb, sec'y.

Dec. 19-23.—Wayne, Mich. Wayne Poultry Assn. Jas. A. Tucker, judge; Geo. W. Brewer, sec'y.

Dec. 19-23.—St. Clairsville, Ohio. Belmont County Fanciers' Association. Ira C. Keeler, judge; J. W. Riley, sec'y.

Dec. 20-23.—Stockton, Kan. Stockton Poultry Association. F. C. Mullins, judge; N. N. Nehr, sec'y.

Dec. 20-23.—Minneapolis, Kan. Ottawa County (Kan.) Poultry Association. W. B. Hathaway, judge; L. A. Henry, sec'y.

Dec. 20-26.—Milwaukee, Wis. Milwaukee Feathered Stock Assn. Sharp Butterfield, poultry judge; Geo. Ewald, pigeon judge; John H. Pagel, box 57, Station D, cor. sec'y.

Dec. 20-26.—Palmyra, Ill. Palmyra Poultry Club. Theo. Hewes, judge; Scott Etter, sec'y.

Dec. 21-26—Geneva, O., Geneva Poultry, Pigeon and Pet Stock Assn. Chas. E. Holt, sec'y.

Dec. 22-26.—Washington, N. J. Fanciers' Association of New Jersey. Charles Nixon, sec'y.

Dec. 25-28.—Elgin, Ill. Elgin Poultry Association. B. N. Pierce, poultry judge; J. M. Reil, pigeon judge; W. J. Turner, sec'y.

Dec. 25-30.—Macomb, Ill. McDonough Co. (Ill.) Poultry Assn. Theo. Hewes, judge; Miss Marie Edie, sec'y.

Dec. 25-31.—Waupaca, Wis. Wisconsin Poultry Assn. I. K. Felch, judge; W. H. Laabs, sec'y.

Dec. 26-28.—Portland, Mich. Portland Poultry Club. A. B. Shaner, judge; F. C. Hathaway, sec'y.

Dec. 26-29.—Sidney, Iowa. Southwestern Iowa Poultry Assn. J. L. Todd, judge; A. B. Waterman sec'y.

Dec. 26-29.—Marshalltown, Ia. Marshalltown Poultry Association. W. S. Russell, judge; H. C. Hansen, 608 E. Church st., sec'y.

Dec. 26-30.—Bloomingburg, O. Bloomingburg Poultry and Pet Stock Assn. F. J. Marshall, judge; W. F. Jefferson, sec'y.

Dec. 26-30.—El Dorado, Kan. Butler Co. (Kan.) Fancy Poultry and Pet Stock Assn. J. C. Snyder, judge; C. H. Patterson, sec'y and treas.

Dec. 26-30.—Keota, Ia. Iowa State Poultry Association. F. W. Hitchcock, W. S. Russell, judges; W. L. Holmes, sec'y.

Dec. 26-30.—Danville, Ill. Vermilion County (Ill.) Poultry Assn. B. N. Pierce, judge; C. E. Myers, supt.; A. L. Rice, sec'y.

Dec. 26-30.—Wooster, Ohio. Central Ohio Poultry, Pigeon and Pet Stock Assn. Chas. McClave, judge; C. F. Palmer, sec'y.

Dec. 26-30.—Oklahoma City, Okla. Oklahoma State Poultry Association. J. W. Wale, W. S. Fite, judges; L. F. Laverty, Guthrie, Okla., sec'y.

B. G. SMITH, Elmira, N. Y., White Leghorns, White Wyandottes.

Dec. 27-29.—Newburgh, N. Y. Wallkill Valley Poultry, Pigeon and Pet Stock Assn. W. J. Stanton, judge; Hector Millspaugh, Box 191, Walden, N. Y., sec'y.

Dec. 27-30.—Galena, Ill. Galena Poultry Assn. F. H. Shellabarger, judge; F. J. Hoelting, sec'y.

Dec. 28-31.—Ypsilanti, Mich. Ypsilanti Poultry Association. Sharp Butterfield, judge; W. B. Meanwell, sec'y.

Dec. 28-Jan. 1.—Canton, Ohio. Stark County Fanciers' Assn. D. J. Lambert, poultry judge; Theo. Johnson, pigeon judge; H. J. Mertz, sec'y.

1900.

CHANGE OF DATE.

The Chicago show will be held the last week in January, 1900. The change is wisely made, as conflict with other important shows is thus obviated. The date now named is one convenient to those exhibiters who wish to take in a circuit.

Jan. 1-6.—St. Louis, Mo. St. Louis Fanciers' Assn. Sharp Butterfield, H. A. Bridge, poultry judges; F. W. Gilbert, Geo. Ewald, pigeon judge; John A. Francisco, 1201 Lincoln Trust Bldg., sec'y.

Jan. 2-5.—Woodstock, Vt. Vermont Poultry and Pet Stock Assn. H. A. Nourse, Lloyd M. Hallenbeck, judges; John S. Eaton, sec'y.

Jan. 2-5.—Peabody, Mass. Essex County Poultry Association. Arthur Elliott, sec'y.

Jan. 2-6.—Akron, Ohio. Akron Poultry and Pet Stock Club. J. Y. Bicknell, M. E. Wurts, judges; J. Asa Palmer, cor. sec'y.

Jan. 2-6.—Georgetown, Ill. Georgetown Poultry Assn. Ben S. Meyers, judge; D. H. Bowen, sec'y.

Jan. 2-6.—Cedar Falls, Ia. Cedar Valley Poultry Assn. Theo. Hewes, judge; H. W. Conrad, sec'y.

Jan. 2-6.—Le Mars, Ia. Plymouth Co. (Iowa) Poultry Assn. F. H. Shellabarger, judge; G. A. C. Clarke, sec'y.

Jan. 2-7.—Winona, Minn. Winona Inter State Poultry Association. D. T. Heimlich, judge; Henry Hess, sec'y.

Jan. 4-9.—Goshen, Ind. Northern Indiana Poultry, Pigeon and Pet Stock Association. Jas. A. Tucker, judge; J. A. Babcock, sec'y.

Jan. 5-9.—Toledo, O. Toledo Fanciers' Assn. Sharp Butterfield, Geo. Ewald, judges; Geo. F. Mueller, 425 Tecumseh st., sec'y.

Jan. 5-11.—Rochester, N. Y. Flower City Poultry and Pigeon Assn. John Drechsler, sec'y.

Jan. 8-12.—Detroit, Mich. Michigan State Poultry and Pigeon Association. Sharp Butterfield, H. A. Bridge, Jas. A. Tucker, judges; John A. Grover, Concord, Mich., sec'y.

Jan. 8-13.—New Albany, Ind. Indiana Poultry Association. B. N. Pierce, D. T. Heimlich, judges; Frank Heck, New Albany, Ind., sec'y.

Jan. 8-13.—Topeka, Kan. Kansas State Poultry Assn. F. H. Shellabarger, judge; J. W. F. Hughes, sec'y.

Jan. 9-11.—Milford, N. H. Milford Poultry and Pet Stock Assn. H. B. May, H. S. Ball, C. A. Ballou, C. S. Flanders, W. B. Atherton, N. A. Knapp, J. F. Watson, H. A. Nourse, judges; E. B. Burns, sec'y.

Jan. 18-22.—Tacoma, Wash. Tacoma Poultry Association. Theo. Hewes, judge; Chas. C. Johns, 402 Berlin Bldg., sec'y.

Jan. 10-12.—Charlotte, N. C. Charlotte Poultry Association. D. J. Lambert, judge; W. M. Barringer, sec'y-treas.

Jan. 11-16.—Dayton, Ohio. Gem City Poultry and Pet Stock Assn. Chas. McClave, judge; Theo. Faulstich, sec'y.

Jan. 15-19.—Princeton, Ill. North Central Illinois Poultry Association. E. W. Brown, A. H. Currier, W. G. Warnock, judges; S. L. Smith, sec'y.

Jan. 15-19.—Belvidere, Ill. Northern Illinois Poultry Association. F. B. Zimmer, Ben S. Meyers, judges; Bert R. Lucas, sec'y.

Jan. 15-20.—Columbia City, Ind. Columbia City Poultry Assn. Chas. McClave, judge; Philip Anthes, Jr., sec'y.

Jan. 15-20.—Cedar Rapids, Ia. Western Poultry Fanciers' Assn. D. J. Lambert, J. A. Tucker, G. D. Holden, judges; Chas. H. Playter, sec'y.

Jan. 16-18.—Port Huron, Mich. Port Huron Poultry, Pigeon and Pet Stock Association. H. O. Kilets, sec'y.

Jan. 17-19.—Sharon, Pa. The Fanciers' Club. Sid Conger, poultry judge; H. W. Lacy, dog judge; F. H. Alderman, sec'y.

Jan. 17-20.—Blackwell, Okla. Kay County Poultry Assn. H. B. Savage, judge; Geo. M. Carson, sec'y.

Jan. 20-22.—Colfax, Wash. Whitman Co. Poultry and Pet Stock Assn. O. L. Kennedy, sec'y.

Jan. 17-23.—Kokomo, Ind. North Central Indiana Poultry Assn. B. N. Pierce, poultry judge; Al G. Eberhardt, dog judge; E. E. Sanders, sec'y.

B. G. Smith, Elmira, N. Y., White Wyandottes, White Leghorns—Rose and Single-comb.

Jan. 17-22.—Boston, Mass. Boston Poultry Association. Arthur R. Sharp, sec'y.

Jan. 22-27.—Louisville, Ky. Kentucky State Poultry Assn. H. A. Bridge, Chas. McClave, judges; Frank G. Hogan, 425 W. Main st., sec'y.

Jan. 22-27.—Chicago, Ill. National Fanciers' Assn. of Chicago. Fred L. Kimmey, Morgan Park, Ill., sec'y.

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WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

STARTING THE BUSINESS.

Fall is a good time to commence the poultry business—probably the best season for beginners to start. Good breeding stock can be purchased cheaper in the fall than at any other season. Many regular poultry breeders, says G. O. Brown, in the Baltimore *Sun*, dispose of their spring breeding stock during fall, not caring to carry them over winter again, as they prefer to make selections in the main from their early hatches of the present season, for next year's breeders. In commencing poultry-raising as a business the beginner must start with one fact firmly impressed on his mind, and that is that the occupation will call for continuous work. While the necessary work will not be hard, provided it is done properly, it will be found it is not a good occupation for a lazy person to select. System lightens work in all occupations, and especially in poultry-raising. The question may be asked what is meant by doing the work properly. It means a good deal. To commence with, cleanliness must be observed in its strictest sense. Every neglect of it will be costly. The beginner will, no doubt, soon conclude that once or twice a week will answer just as well to clean out the henhouse as every day. He will find many people who will believe it and tell him so. They will declare also that no one but a poultry crank cleans the henhouse every morning. In a sense this is true. The novice should bear in mind, however, that the one who secures success of the highest degree in any occupation is certain to be called by others who are satisfied with mediocrity, a crank. Therefore, as soon as he can reach the point where he will be classed as a crank, the sooner will he reach the top notch of success in the business. It has been pointed out over and over again that filth in the henhouse is a trouble breeder, that it is a vermin breeder, that the nauseous odors debilitate the fowls and cause various ailments. It is true, and yet there are agricultural and even poultry papers which consider cleaning the henhouse once a week sufficient.

A healthy flock to start with is, of course, also essential. After such fowls have been secured, keeping them in health will depend fully as much on their sanitary surroundings as on their food. Do not commence with the sadly mistaken idea that cheap or damaged grain or other food can be utilized for poultry. It is dangerous, it is cruel to give poultry moldy grain or damaged food, and it is sure to be followed by cases of so-called mysterious disease, acute indigestion and a loss of the production of eggs.

Location of the poultry house is important. A site elevated enough to insure quick surface drainage after rains should be selected. If a site can be had where there are a few trees that will form partial shade in summer, all the better. Too much shade is worse than none, for direct sunshine is a disease-dispeller and a health promoter in the poultry yard. The house should be built so as to be as convenient as possible. Comfort should be the aim instead of ornament. The foundation should be 10 inches above the outside soil, or brick or stone, laid in cement. When the surface wall has been laid to a height of four inches fill the floor space in level with dirt and take stout galvanized wire netting of half-inch mesh and stretch from the outer surface of the foundation walls so as to cover over the entire floor space. Then finish the wall to the desired height and fill in with dirt or not, as desired. When cleanly methods are followed, a board or an asphalt floor is best. If the space above the wire netting is not filled in the floor will last much longer. Such a floor foundation is absolutely rat-proof.

The house should face the south, and one hotbed sash should be allowed to every 16 feet of front—that is, a house 16 feet long in front by 8 high should have that much sash space. Let the lower side of the sash come down within two feet of the floor, and the sash on the longest way with length of the house. A house 16 feet long, 10 feet deep, 8 feet high in front, sloping to 6½ feet in the rear, will be ample to accommodate 25 hens. One hotbed sash in front and a half-sash on the east end, will be enough. The front sash should be put in near the east end, *not* in the center. Have the roosts in the north end, and the nests on the far end of the south side. This will allow the nest entrances to face away from the light, and make them more secluded. Have none of these fixtures permanent, but arrange so that everything can readily be taken out for airing and cleansing. Shed room, equaling in proportions that of the henhouse, should be provided. It should be on the east end of the house, connected directly with it, and entrances from the henhouse arranged for the convenience of the fowls. The entrance door for the poultry keeper to the henhouse should be on the east side, at the rear, under this shed. A foot-wide board base should be in front

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If there are no dropping boards under the roosts, better nail up a board temporarily, eight or ten inches wide, under each roost; paint or sprinkle this just at evening, and in the morning you will find it covered with dead lice.

TESTIMONIALS.

Rice's Lice Paint killed all the lice in short order. ELLA MORSE, Cleveland, Ohio.

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of the shed, and an inch-wide mesh-wire netting should be across the entire front of the shed. Keepers' entrance door should also be of wire netting. Arranged thus the flocks can be kept under control in story weather, or at other times, if desirable, and they are also secure from destructive enemies. Of course, there should be small door exits from the shed to the yard.

If the beginner is to start on a farm, where poultry has previously been raised, the old houses or runs should not, as a rule, be utilized. It will pay to make both new, and in a new location, far away as possible from the old runaways. Even then, the first thing to do after gaining possession will be to make liberal use of air-slacked lime over the entire poultry premises. Contamination of grounds is a source of trouble wherever fowls are kept many seasons on one location.

If good, healthy stock is secured to start with, and all the other conditions specified have been observed, there will be no necessity for introducing new blood very soon, if the following plan is adhered to. Select and retain the fastest growing, largest and quickest maturing specimens from each brood every season to keep for stock or breeding purposes. Good judment in selection will enable wou to improve your fowls in vigor, size and egg production. Never breed from runts or undersized specimens, no matter how beautiful or near standard they may be marked in plumage.

Food requirements for poultry is a study. The novice often approaches the destruction line in feeding, and kills with kindness. The poultryman should know for what purpose he gives each kind of food. He should know that the food required to keep a laying hen in good condition, will be too much for a hen not laying, and that the latter, if allowed such a supply long, becomes so fat as to be ruined—often dying from fatty degeneration or apoplexy.

He should know nature's plan is food of a bulky nature. This food should be given the hens once a day, and can be given in the mixed ration with either a supply of coarse vegetables cooked or oats that have been ground with the hulls on. In winter scalded clover tops or cut clover and a little wheat bran mixed through it, is a most excellent bulk food. During summer hens that have a good range will secure herbage and weed seeds that with the regular food given them will make a perfect balanced ration. The hens should be made to work for a goodly portion of each day's food supply. Practical poultrymen nowadays consider the scratching shed indispensable. It affords the hens a most healthy exercise, and keeps them out of mischief and bad habits.

Let the beginner, then, understand from the start that poultry raising is a business, and must receive timely, business attention. It is an occupation that requires experience—which can easily be attained where earnest effort is made. In poultry raising it is the little and often apparently trivial things that form the chain that results in success. Have a purpose in view, either to furnish eggs or poultry whichever your nearby market may most emphatically demand. Aim to secure regular customers, and let your products be your best business card. The man who loves poultry raising is sure to become successful. The man who takes it up because he concludes there is money in it, though he doesn't like the business, will find many stumbling blocks on the road to success in poultry raising. Love of the occupation lightens its tasks and stimulates enthusiasm. The beginner will make mistakes, but if they prove object lessons they will be beneficial. Good judgment and common sense are essential factors in poultry raising.

CURRENT MAGAZINES.

Scribner's for October contains the first part of Mrs. John Drew's Autobiographical Sketch—the charming summary of her career which she prepared a few months before her death for her children and grandchildren. Her stage reminiscences cover almost three-quarters of a century and she was associated with most of the interesting characters in the theatrical history of this country. This memoir is full of anecdotes and incidents of them. It is also enriched with a remarkable selection of portraits, old play bills and other memorabilia from the collections of Peter Gilsey, John Drew, and Douglas Taylor (who has made interesting biographical notes to accompany the illustrations). The whole memoir is prefixed with an introduction by John Drew, the son of Mrs. Drew. The reminiscences will be completed in the November number.

The Score Card is a new monthly publication in the interest of poultry in Indian Territory, issued at Sapulpa, I. T., by W. G. Bates. We do not know whether he belongs to our branch of the family or not, but of his *Score Card* shows up into the 90's we shall think he does. Anyhow, here's hoping!

The Poultry West has purchased the *Nebraska State Poultry Journal*, and will combine the two under the management of Geo. H. Gillies, at Topeka, Kan. We wish the new venture success.

"The Art of Buying Food for a Family," by Mary Graham, is an able paper in the September *Cosmopolitan* on the very practical subject of purveying for a household. The writer shows just where the average housekeeper is wasteful, and tells many things that will enable a purveyor to supply her family with variety in food at less cost than that with which she now endeavors to maintain a household with a too frequent accompaniment of complaint and criticism. This *Cosmopolitan* seems to be a household need, for it contains another article in the same vein by Anna Leach in the "Delightful Art of Cooking."

That there are five thousand theaters in America, and that one million and a half people attend them each week-day night, spending seventy millions of dollar a year on theater-going, are the surprising facts with which Mr. Franklin Fyles, the dramatic editor of the New York *Sun*, will open an important series in the next issue of *The Ladies' Home Journal*. The series will be called "The Theater and Its People," and will run through seven numbers of the magazine, lavishly illustrated with pictures made by twelve different artists.

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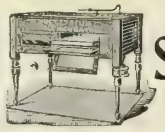

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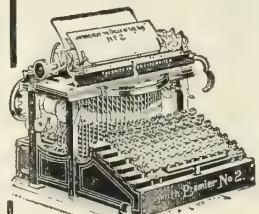

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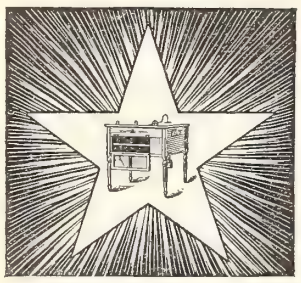

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WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

THE WHITE ROCK CLUB EMBLEM.

Some of the members of the American White Plymouth Rock Club have not yet procured electrotypes of the Club Emblem. One of these cuts will be mailed to any member upon receipt of 25 cents in stamps or coin. They are for use upon envelopes, letter-heads, cards, circulars, etc., and in advertisements. It is an acknowledged fact that a cut of any kind adds greatly to the appearance and effectiveness of stationery and advertisements and the Club Emblem not only serves this purpose, but the use of it is an advantage for the reason that the Club guarantees that all parties using the Emblem will be fair and honorable in their dealings, and this alone makes the cut a valuable one. The price asked for them is barely the cost of the cut and postage as they are not made for the purpose of making money on them.

H. S. Marks, of Lanark, Ill., one of A. P. J.'s advertisers, has accepted the charge of the J. W. Miller Poultry Plant of Freeport, Ill., to begin the 1st of October. Mr. Marks will still continue to breed his Cornish Indians on the Freeport plant and keep them up to a high standard. At the Carroll County Fair he won 1st, 2nd cock; 1st, 2nd hen; 1st cockerel; 1st pullet; 1st, 2d pen. At the Stephenson County Fair, 7 birds entered, he won 1st cock; 1st, 2d hen; 1st, 2d cockerel; 1st, 2d pullet; 1st pen. Mr. Marks writes of having good sales of stock and that he still has a fine lot of youngsters for sale.

Our friends in Nashville, Ill., A. S. Muller and William Plumhoff, remark: "We feel that in AMERICAN POULTRY JOURNAL the small breeder has an equal chance with the large one. A communication from a beginner is treated like that of a breeder with a large plant." So far as favorites of a special class goes that is true. Fairness and justice are our watchwords. We make the most of the beginner, because he or she is the vital force in poultrydom. The ranks must be recruited constantly, for we all grow old, if you give us time.

MANAGING FOR EGGS.

Where poultry raising is carried on with the æim of profit the surest way to success is to have a flock that will yield eggs every month in the year. This can be accomplished, remarks the Baltimore *Sun*, but it will necessitate having chicks hatched out nine of the twelve months. December, January and February are the months that may be the exceptions. If, however, incubators and brooders are employed, and the farmer desires to make poultry raising a regular business, as does the poultry expert, the three months specified as exceptions will really be the chief ones for hatching. To hatch and care for chicks during these three winter months will require brooder houses with the usual pipe system of heating and a suitable room to run the incubators in—a room that will not be affected too much by outside changes of temperature. It would hardly be advisable for farmers to commence poultry raising as a business in an extensive manner and depend mainly on incubators and artificial brooders. The venture should be first made with hens as sitters and having a number of small comfortable houses with hot-bed sash runs for the broods. Better still would be a long

building, divided up into suitable runs and apartments for hens with broods. A house of this kind should be situated on a southern slope, where there will be afforded every opportunity for sunshine and dryness. A stove should be provided, and the stovepipe should run some distance inside to retain as much as possible all the heat that the draught usually carries out through this channel. If there is too much difficulty experienced in having hens broody as desired, then it will be well to commence the trial of an incubator. A machine of 100 eggs capacity is better than a larger one to commence with. Homemade brooders can easily be made, which will work satisfactorily. There are, however, brooders that can be purchased for $5 up that give excellent results. From the hatchings of each month there shrould be selected some of the thriftiest-growing pullets and they should, as soon as possible, be separated from the others. Give them a place where they need not be crowded and where they can be given good attention. Probably after about one year's experience—provided what is too often termed bad luck has sharpened the ideas, and proved that failures are due directly to mismanagement and nothing else—it will be the time to start on a more extensive scale. It will then be well enough to commence running the incubators by the 1st of October. When the supply of eggs for incubators is needed, from November to March, the importance of having a healthy, vigorous flock will be appreciated. Where good summer care has been given to a flock that has been properly selected they will be in good condition to go through the ordeal of the winter months in good shape. If a good, varied diet is provided, and such flocks are comfortably housed and have good, roomy scratching shels to secure required exercise during inclement weather, the eggs from such a flock of hens should prove very fertile. In fact, hens from properly kept flocks under similar conditions have produced eggs in winter that averaged 93 per cent of fertile ones in every hundred. To have eggs every month in the year, as before stated, neecssitates hatching some eggs nearly every month. It will be found after one has secured sufficient experience that incubators are cheaper and far more reliable than hens during the months of cold weather. In such cases hens that become broody and would lose valuable time if allowed to sit, can readily be "broken up" and soon be again producing eggs.

In making poultry raising a regular business locality and convenience to markets should be duly considered.

No matter how promising scrub poultry may be they cannot compete with pure-bred stock. The pure breeds possess utility qualities unsurpassed and proper selection maintains it. It should be remembered that in every branch of the poultry business cleanliness, dryness, a varied diet of clean, wholesome food, are requirements that cannot be dispensed with. Success as well as failure in any occupation comes from easily traceable causes ,and there is no luck or lottery about it. Effort is bcink rewarded in accordance with intelligent application. Good judgment is especially valuable in the poultry business.

A. Z. COPELAND, Potomac, Ill.,

Breeder and shipper of young stock from prize winners that are fine—White H. Turkeys, White P Rocks, Golden S. Bantams and Poland-China pigs of best blood.

Heavily Feathered Buff Cochins!

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CLEAR BUFF WINGS These birds will make a record in the show room this winter for customers who secure them.

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White Wyandottes? YES JUST A FEW GOOD BREEDERS LEFT.

You Bet, and extra fine ones too. Don't be afraid to write for prices. **Buff Cochin Bantams?**

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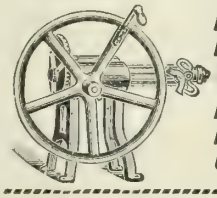

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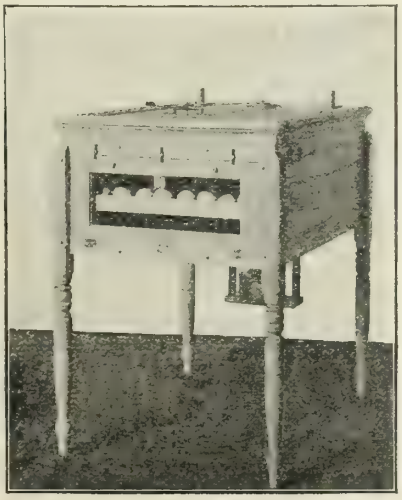

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GREAT LAYING Brown Egg Strain, farm-raised Light Brahma and White Wyandotte cockerels, Barred Plymouth Rock cockerels and pullets. $1.50, $2 and $3. Orders booked now for Nov. 1st delivery. These birds can win in the show room as well as the egg basket. Yearling hens $1. Your money back if you want it. Otter Creek Poultry Farm, Vergumes, Vt. 9-3

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FOR SALE—75 Barred Plymouth Rock Cockrels $1.00 to $3.00 according to quality and quantity. Large yellow legs, good comb, well barred. Guaranteed to be good breeders. Mrs Clara V. Beardsley, Buckingham, Ill. 10-3

POULTRYMEN ATTENTION—For ten cents we will insert your name in our Poultry Directory, which will bring you hundreds of sample copies of poultry papers, Incubator and poultry supply catalogues etc. Poultry Directory Co., Dept. D. Box 763, Goshen, Ind. 10-3

CHEAP—Noted Strains large birds—Blue Langshans, White Wyandottes, rose comb Black Minorcas $1.00 each taken now. Large Pekin Ducks. McClave strain, lots, 5, 10 or more 50c each, stamp for reply. Mrs. Irene Fleming, Circleville, Ohio. 10-3

CLOSING OUT SALE of Light Brahmas all this years breeder at ½ price, they won first and second at Winona, good hens $1.00. Address with stamp, F. A. Doolittle, McIntire, Iowa. 10-4

CLOSING OUT SALE of great laying brown egg strains of Light Brahmas, White Wyandottes and Barred Plymouth Rocks. Pullets and Cockrels $1.00 and $1.50. Fine large yearling hens 75c, yearling cocks $1.50. This is a straight sale and must be closed at once. Write and get some good stuff at less than half price. Otter Creek Poultry Farm, Vergennes, Vermont. 10-3

WANTED

WANTED—Position as manager for poultry-duck ranche, or would like to have partner with means. Good chance to make money. Richard Boulanger, 609—59 Dearborn st., Chicago, Ill. 9-3

WANTED—Quick buyers for young and old stock of Light Brahmas and Single Comb Brown Leghorns for breeders or show birds. Cheap, quality considered. H. A. Emmel, Box 43, Ogle, Pa. 9-3

WANT TO BUY—100 to 150 good hens' not over one year old, or early hatched pullets, must be free from disease. No fancy prices. Lock Box 152, Marietta, Ohio. 10-1

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FOR EXCHANGE or Sale—2 Bull Terrier pups, 4 months old and warranted to be dead game, Wanted a double barrel shot gun or offers. Lumley's Pigeon Loft, Pittston, Pa. 7-3

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Lee's Lice Killer sales are increasing 40 to 50 per cent per year. It is on sale in every state in the Union, and in Canada. It is so simple to use, so certain in effect, that one who has used it will never go back to old methods of dusting and dipping. Simply painted on roosts, it kills body-lice on fowls as well as mites, lice, bed-bugs, etc., that infest the roosting-places.

Try it. Your dealer can supply you. 1 quart, 30 cents; ½ gallon, 50 cents; 1 gallon, 75 cents.

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J. H. Doane, Gouverneur, N. Y., has experienced benefits from exhibition of his famous Black Minorcas at the New York State Fair. He took 1st on cock, cockerel and pen, 2d hen and pullet, on five entries. His young birds are splendid, of true type, with deep green lustre and large size. The egg quality has not been sacrificed.

Oak Lawn Poultry Farm, Ypsilanti, Mich., C. W. Mansfield proprietor, has been a successful venture for many years past. We have always found Mr. Mansfield a prompt and reliable business man. His stock is excellent. He says A. P. J. "has been one of the best, if not the very best advertising mediums he has ever used."

Grover & Grover, Concord, Mich., report the grandest lot of chicks and more of them than ever before, and they are prepared to fill orders in any number. Their increasing demand for White Rocks has caused them to dispose of their Buff Rocks. Those wishing bargains in that breed should write at once for prices.

At the Rochester Fair last week, with 1,991 birds competing from Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and New York, W. H. Scovil, East Lebanon, Me., won all on Buff Cochins. On Buff Rocks, 1st and 2nd fowls; 1st and 2nd chicks; 1st breeding pen. H. B. May, judge.

"Practical Poultry Feeding" is the title of a valuable little booklet which will be sent free to those mentioning AMERICAN POULTRY JOURNAL on application to Science Department, The American Cereal Co., 1353 Monadnock Bldg., Chicago.

On October 1, F. H. Valentine assumes editorial charge of *Poultry Monthly*, Albany, N. Y., with headquarters at 108 Fulton St., room 1004, New York City.

Too Much of a Good Thing.

H. C. Groomes, New Haven, Conn., May 12, 1899.—Leave my ad out of American Poultry Journal for June. I am already receiving more orders from that ad than I can fill.

Approves of the Style.

F. A. Calkins, 1321 S. 14th st., Denver, Colo., April 9, 1899.—American Poultry Journal is the best edited and most neatly printed poultry publication of any received by me.

Brings Immediate Returns.

N. K. Mendels, Ada, Mich., April 5, 1899.—My half-inch ad in American Poultry Journal was begun in April issue and has already brought me orders for 200 eggs, although this is only the 5th.

Excellent Results.

W. C. Denny, Rochester, N. Y., March 14, 1899.—I have had excellent results from my ad in American Poultry Journal. It has done more than its share for me and I wish it continued success.

Does a Lot of Good.

R. M. Gard, Frankfort, Ind., March 16, 1899.—American Poultry Journal has been doing me a "lot" of good lately.

It is impossible to walk through the markets at any time without seeing large quantities of extremely poor turkeys, fowl, and chickens. It is seldom that one sees a poorly fattened hog in the market. If it pays to stuff with corn a hog that won't net his feeder 5 cents a pound dressed, why isn't it good business sense to use some of that corn to fatten a bird that will bring twice as much per pound? Will the same corn make twice as many pounds of pork as poultry? If not, it would seem wiser to put the corn where it will do the most good.—*Rural New-Yorker.*

$100.00 REWARD!

Are you interested? For years I have advertised "your money back if not satisfied" I will pay $100.00 to any person who will prove that I have ever been asked to refund a cent paid to me for stock or eggs. At the Maine state fair Sept., '99 in competition with all the best birds in the state. I won everything in sight on Buff Cochins, 1st, 2nd and 3rd on both fowls and chicks. A large number to dispose of. Prices cheerfully given.

W. H. SCOVIL,

Box 82. East Lebanon, Maine.

NOTHING UNDER THE SUN

will **Make Hens Lay** and keep them in healthy condition all the year round like

BANNER EGG FOOD

and Tonic.

Thousands can testify to its excellent merits. A trial will convince you. 1 lb. can 25c., 5 cans $1.00. For the month of **November only** we will sell a **1** lb. can **15c.** or **7** cans **$1.** Now is your chance to lay in a supply of this Food, and you will have plenty of Eggs when cold weather comes. Our immense illustrated Catalogue **free.** Address

Excelsior Wire and Poultry Supply Co.

28 Versey St., New York City.
W. V. RUSS, Proprietor.
When writing kindly mention this paper.

Three For $1.10

We will send

Farm-Poultry
A Few Hens
and
American Poultry Journal,

three papers for one year for $1.10. Regular price of American Poultry Journal, 50c. Farm Poultry $1.00, A Few Hens, 25c. You save 65c. by sending your subscription for all three at one time. Send all orders to

American Poultry Journal, Chicago, Ill. U. S. A.

USE THE UNIVERSAL HATCHER AND BROODER.

Why loose time and money with any other. We devote our time exclusively to the manufacture of the Universal Hatcher and Brooder. We are not interested in the manufacture of any farm implements or other machines, and with our long time experience with incubators, both hot water and hot air, enables us to put on the market the simplest, strongest and most durable. You can make money using our machines. Write for full description and prices; the price will interest you.

THE E. W. ANDREWS INCUBATOR CO., 209-211 Railroad ave., Elmira, N. Y.

Lincoln Park Poultry Yards,

GORDON L. REILLY, Proprietor.

WHITE PLYMOUTH ROCKS.

I have choice breeding stock, young and old, for sale with score cards. Egg Orders booked now. Write for prices and description. Address

GORDON L. REILLY, 28 Jackson st., Danville, Ill.

HORMIG'S ROYAL BLUE STRAIN

of Barred Plymouth Rocks.

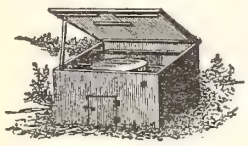
I also breed the best strains of White and Buff Rocks. Have about 30 Barred Rock cockerels for sale that are fit to win in hot competition, and the prices are right. Am closing out some high scoring Black Langshans at a bargain.

E. F. HORMIG, Box 390, Litchfield, Ill.

MADE $500 in 5 months out of 90 hens. With every $1 order you send us will tell you how we made it. Any one can do the same. Egg Producer—A new discovery. It contains just what the fowls require to make them lay and keep them in a healtny condition. Hens cannot help but lay, if you feed it. It will five time repay its cost in eggs with less expense for food. Guaranteed or money back. 25c per lb.; 5 lbs. for $1. **ROUP CURE**—This is the only roup cure that will prevent roup and cure it in all of its forms. Every poultryman should have it. It is cheap, simple to use and will save you many a dollar and lots of work. See testimonials. It has never failed in a single case. Only 58c post-paid.

LICE KILLER—The best lice destroyer in the world. Only a few minutes labor required and every louse on your fowls and in coop will be killed. It's cheap, 75c per can. Poultrymen are more than pleased with it. Send for circulars.

F. B. MOREY, PATTON, PA.



The Best Clover Meal in the World

is that manufactured by the Jordan Milling Co. (*It is pure clover.*)

The Best Brooder on the Market

is the $5 Prize Brooder, acknowledged by all to be the best. Send for sample of Clover Meal and Catalogue.

JORDAN MILLING CO., Jordan, N. Y.

None Better

Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.

D. T. HEIMLICH, Jacksonville, Ill.

Exhibition Barred B. P. Rocks Exclusively.

Bred in line, for 20 years. 56 regular prizes won last year, at five shows, in the strongest competition. 26 firsts. Can sell you line-bred stock, that will not disappoint you. 8 page circular free Send for it.

W. B. GIBSON & SONS,

West Alexander, Pa.

UNEEDA ROOSTER!!!

Look over my record, and buy where you can buy the **BEST.**

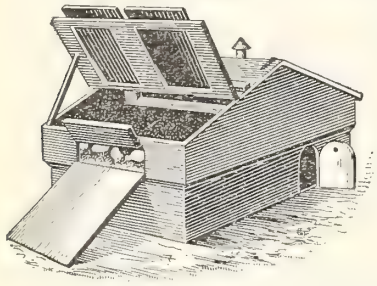
JACKSON 1896.
1st on Cockerel, score 94.
1st on Hen, score 93.
1st on Breeding Pen, score 186¼.
3rd on Pullet, score 93.

JACKSON 1897.
Silver Tea Set for best ten Rocks.
Silver Cup for best breeding pen.

DETROIT 1899.
1st on B. P. Rock cockerel, score 93.
Silver Cup for best ckl. Eggs in season $2.00 per sitting.

I learn more about Rocks the older I grow, I can breed better Rocks now than ever before. If you want **GOOD BIRDS,** write me for prices. I have some fine S. C. Brown Leghorns, and a few Buff Leghorns for sale.

Don't make a mistake but write C. W. MANSFIELD, Ypsilanti, Mich.



Gem Safety Brooder.

Rain, Wind and Fire-Proof.
Can be Used Inside or Outside.

A good incubator is of no use without a good brooder. More chicks die the first week after being hatched than die even in a poor incubator, but this can be avoided by using our Safety Brooder. The chicks will not crowd in the corners and smother in our brooders, neither will they get their backs blistered or bowel complaint.

Sold on Two Weeks Trial to any Responsible Party.

125 Chick Size, $8.00; two for $15.00. 150 Chick Size, $15.00; two for $25.00.
All brooders complete with lamps and thermometers.

NATIONAL BROODER CO., 10-14 Arch st., Delaware City, Del.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

DANGERS OF CROWDING.

The dangers of overcrowding may once more be referred to, says London *Stockkeeper*, and here exists a very fruitful cause of loss to even the old-established fancier, for it is wonderful to reflect upon the perversity which characterizes the actions of men who should, and do, know better than to crowd a hundred birds in a space that is only fit to accommodate fifty. Overcrowding is recognized on all sides as a suicidal policy, as it inevitably leads to epidemics and fights, which ruin the future of many a valuable bird yet, in all seriousness, we believe that scarcely half the members of the Fancy are able to summon up sufficient courage to weed their stock down to numbers which their experience tells them are the best for all. Of course it is expecting a good deal from a man when he is advised to kill, or to practically give away, birds which he knows are well bred, and likely to be useful for stock purposes but when he realizes that the retention of these is a standing menace to the health and welfare of still more valuable companions, no one can applaud his common sense if he elects to run the risk. In the case of beginners the difficulty of weeding out becomes increased, for these ladies and gentlemen cannot be expected to be able to select which birds should be retained and which got rid of. Still, if they cannot get advice from friends who do know, it is better for them to rely upon what judgment they possess, rather than run the risk of almost certain loss in the immediate future, and have their prospects for the forthcoming season most prejudicially affected.

In the poultry house the earthen floors and runs should be dug over, the top layer of soil being, if possible, removed and replaced by fresh, and then all should be beaten down, says London *Stockkeeper*, though it is as well, if possible, to allow the soil to lie in a broken-up condition for a few days, so that it may become purified by exposure to the air. The walls and roof should be thoroughly disinfected and fresh lime-whitened, the addition of carbolic acid or some other disinfectant, to the wash, which should be applied as hot as possible, being strongly recommended. Perches should be removed, steeped in a solution of disinfectant and water, and replaced, if necessary, by new ones, as split perches form admirable hatching places for vermin. Above all things, the condition of the roofs and walls should be seen to, and any breaches or cracks should be repaired, else the draughts of winter will play havoc with the birds. Therefore, as time is a consideration, such matters should be seen to at once if they have hitherto been neglected. Nor should the condition of the gutters which carry off the water, and the drains, if such exist, be overlooked, as if these are stopped up or choked evil will befall the birds; and, consequently, they should be kept in order, and relieved from fallen leaves when these appear.

F. D. Bennett, Galena, Ohio, breeder of Cornish Indian Games, has a fine lot of youngsters in line for fall and winter trade.

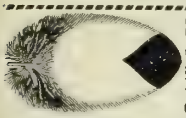
B G Smith, Elmira, N. Y., Rose and Single-comb White Leghorns and White Wyandottes.

CORNISH INDIANS EXCLUSIVELY...... A grand lot of young stock for sale.
Some extra good Show Birds.

H. S. MARKS with THE J. W. MILLER CO.,
FREEPORT, ILL.

WYANDOTTES From the very best strains. Silver Laced, Golden Laced and White. Choice breeding stock for sale at all times. Eggs in season at $1.50 per 15.
C. W. BROWNING, Portland, Mich.

500 Fine Breeders for Sale from our Yards.
Bronze Turkeys, Barred and White Plymouth Rocks, White and Silver Wyandottes, Brown and White Leghorns. FROM 40 SELECTED BREEDING PENS. Large, Vigorous, Finely Marked. Sure to Improve your Stock. 25 Years' Experience in Mating and Breeding. Eggs for Sale at all Times. Pairs, Trios and Pens Mated for best Results. Valuable ILLUSTRATED CIRCULAR Showing Matings, Prices, Plans for Poultry House and Yards Sent Free. Jersey Cattle, of the highest breeding for sale.
"MISS COLUMBIA." Weight 20 Lbs. at 8 mo.
Address F. M. MUNGER, De Kalb, Illinois.



Silver Spangled Hamburgs
that can win at the fairs and early shows. Circular with show record free.
G. G. WHERRY, Galena, O

PARTRIDGE COCHINS—EXCLUSIVELY—At Detroit Show, Jan. 3 to 8, '99, Sharp Butterfield judge, I won 1, 2, 3, 4 cocks, 93¾, 91½, 90½, 90¼; 1, 2, 4 hens, 93½, 92¾, 92¼; 1, 2, 3. 4 ckls., 94, 93, 93, 91½; 1, 2, 3, 4 pullets, 95, 94,¼ 94, 93¾; 1, 2 pens, 189 1-16, 187 1-16. Choice stock for sale.
JOHN C. STELLWAGEN, Wayne, Mich.

IF YOU WANT.

B. P. Rocks, S-c. Brown Leghorns or S-c. White Leghorns, from the leading strains in this country, after Sept. 1st, write me. I will have hundreds of them for sale. Also for Lambert's Death to Lice.

GEO. H. BIE,
Box 100, Station A.. Racine, Wis.

R. B. KINNETT,
—BREEDER OF—
B. P. Rocks, S-c. B. Leghorns and Buff Cochins.

Central Illinois Poultry Show, 1898, B. N. Pierce, judge: Br. Leghorns—1st and 3d ckl., scores 94, 92½; 1st, 2d and 3d hen, scores 94, 94, 93; 1st, 2d and 3d pullet, scores 94, 94, 94; 1st and 2d breeding pen, scores 188, 185¾. B. P. Rocks, 2d hen, 91½. Buff Cochins, 1st hen 92½. Stock for sale. Eggs $2.50 per 13. ***Chapin, Ill.***

GOLDEN WYANDOTTES, Exclusively.
"The beauty bred." All stock of high merit. Product of our 1898 matings finer than ever. At Illinois State Show 1898 won 1st cockerel, 2d cock, 1st and 3d hen, 3d pullet and 2d pen. At Springfield, Ill., Jan. 1899 won every first prize in the class, including 1st, 3d and 4th pullet. Some choice cockerels for sale; no more females to offer until September. Will furnish settings from three grand matings after March 1 at $2.50 pr. 15.
C. P. NELSON, (Prairie View Farm) **Danville, Ill.**

Buff P. Rocks.

That have been shown in hot company for the last five years and have every time been WINNERS. These are the original Coin Gold Strain.
EGGS $2, $2.50 and $3 per sitting.
Address,
ISRAEL ROOT, Bloomington, Ill.

Highland Poultry and Fruit Farm.

EGGS $2 per 13; $3 per 26, from the best stock in the West. Light Brahmas, Black Langshans, B. P. Rocks, White-crested Black Polish, S-c. Buff Leghorns. Fine illustrated circular for the asking. Stock for sale.
N. SCHWEINFURTH, Jackson, Mich.

BARGAIN SALE.

To make room for young stock I offer the following for sale cheap considering quality: 7 hens, 2 cocks Buff Cochins; 12 hens, 2 cocks American Dominiques; 1 pair White Wyandottes; 6 Houdan hens and 1 Black Langshan cock. Young stock for sale after Sept. 1st. Write me for prices. I have a stamp.
H. D. THOMPSON, Wheeler N. Y.

BURDICK'S ROMAN EMPEROR.

Roman Emperor is a line bred bird, hatched May, 1898; weight 11 lbs. His sire was Roman Chief; grand sire, Roman First; great grand sire, Doubloon. He is an even golden buff, with clean flights and buff tail; undercolor solid, of same or deeper shade than surface. The light and shade in the picture gives a poor idea of his magnificent color.

This description of Roman Emperor is furnished us by the owner, H. S. Burdick, Rome, N. Y., but it came too late for publication in connection with the photos. We would especially recommend all Buff Plymouth Rock breeders to look up last Month's AMERICAN POULTRY JOURNAL and compare this picture with the description.

Mr. Burdick is an extremely modest man and is inclined at times to hide his light under a bushel, but we can assure our readers in Mr. Burdick's yards there are growing some specimens of magnificent Buffs that will be prize winners without any question of doubt for the coming show season. Mr. Burdick calls particular attention to and lays great stress on the fact that this bird is an EVEN GOLDEN BUFF OF ONE SHADE ALL OVER.

The one picture makes the hackle look very dark and the body very light and an uneven color. This is the effect of the light and shadow from photographing and may give an incorrect idea of the color of the bird. Buff is a hard color to photo, especially the bright color that Emperor has in a remarkable degree.

August D. Arnold, of Dillsburg, Pa., has just purchased Roman Emperor; also his full brother, the cock Rome. The real color of the bird is not truly brought out by the photo and perhaps it is calculated to give a wrong impression of its color to those that do not know the difficulty of getting a picture of a Golden Buff bird in out-of-door sunshine. In Mr. Burdick's judgment Roman Emperor is probably the finest, most even colored Buff Rock male alive, and this explanation of last month's photos is inserted with an idea to correct any wrong impression that may result from the photo.

THE STAR INCUBATOR.

The Star Incubator is built on a different plan from any other, the distinctive features being in the methods of ventilation, and application of heat. These points are explained in full in a very handsome illustrated catalogue published by the Star Incubator & Brooder Co., Homer City, Pa. We believe there free to any poultrymen applying to it and mentioning A. P. J. A very strong recommendation of the Star comes from a prominent breeder in Fall River, Mass. He testifies to the many points of excellence in that machine.

Pfrimmer & LeMay, of Breckinridge, Ind., announce this month that they are still capturing the ribbons on White and Barred Rocks and Brown and White Leghorns. Forty-eight premiums at two shows is a very enviable record, but it was made by Pfrimmer & LeMay at New Albany and Corydon, Ind., in August. Their Barred and White Rocks are exceptionally meritorious and their prices for stock are right. They can be depended upon for fair treatment and value received.

If your chicks don't grow,
And you don't know,
Why so,
Puritan Foods will show.
If the Puritan Rooster is on the box, Puritan Chick Food is inside.

Puritan Laying Stock,

Puritan Chicks, Puritan Ducks, are all fed on Puritan Poultry Foods. Puritan record is a record to be proud of and the eggs hatch.

Puritan Hatching Eggs—

Laid by vigorous, thoroughbred B. P. Rock stock, on the famous Puritan Plant, from birds bred for heavy egg production and utility—$2.00 and $2.50 per sitting. Try some of the eggs that have made the word ***PURITAN*** famous.

The enormous Puritan Plant has smashed all records in poultry culture and stands to day unequalled and unrivalled. More birds marketed in '98 than by any three plants in America combined. Send 8c in stamps for beautiful halftone reproductions of the finest poultry buildings in the world—acres of buildings, acres of fowls. To say you will be delighted and surprised is to say it mildly. Circulars free.

There is a good deal in the method, but

There Must be Something in the Eggs!

Largest, most elegant and complete establishment on the continent. *Unequalled and unrivalled for filled capacity of brooders.*

Eggs that have been proven to be a good investment, from pure B. P. R. stock, bred for heavy egg production and not for finery.

Puritan Poultry Farms,
Stamford, Conn.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

E. F. PEIRCE, Catawba Island, O.,
—BREEDER OF—
STANDARD BARRED PLYMOUTH ROCKS.
P. O. address Port Clinton, O.

Partridge Cochins
with exhibition shape, feathering and pencilling, line bred for 14 years, if you buy of
GEO. B. GOTT, Ionia, Mich.

GOOD WHITE ROCKS CHEAP—To make room I will sell 10 fine hens that scored 92 to 95; 5 cocks that scored 92 to 94. Very cheap if taken at once. Write for prices.
F. J. PHELPS, Bucyrus, Ohio.

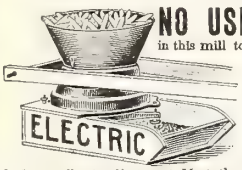
12 YEARS breeding S-c. Brown Leghorns. If you want to win in the show room and have the best layers on earth send me an order for eggs at $1 25 for 15, or 30 for $2. Stock at a bargain. Send for circular.
C. F. LANG, LaCrosse, Wis.

THE IMPROVED **VICTOR INCUBATOR**

Catalogue 4 cents.
Hatches Chickens by Steam Absolutely **self-regulating** The simplest, most reliable, and cheapest first-class Hatcher in the market. Circulars free.
GEO. ERTEL CO., Quincy, Ill.
1884 ◆◆◆◆ 1899

Skinner's Cochins
Thirteen Premiums on Buff and Partridge against the strongest competition in the world.
I also breed the choicest Light Brahmas, B. P. Rocks, Bronze Turkeys. The sharpest Grit, 50 cents per sack of 150 lbs ; 500 lbs for $1. Eggs $1 to $5. Send for Catalogue showing 20 birds by Photo. **O. E. SKINNER, Columbus, Kas.**

Our Yard
is full of fine chicks that we will enter orders for. The first come gets the best. Brown and White Leghorns, White Wyandottes, B. P. Rocks, B. B. R. Games.
F. E. DeMUTH, Wheaton, Ill.
Correspondence solicited.

NO USELESS GEARS


in this mill to absorb and waste power. It is a simple, direct grinder, of large capacity and requires small power. The **ELECTRIC FEED MILL** cuts, crushes and grinds ear corn and all small grain, converting the whole into fine or coarse feed, according to adjustment. Meets the demand for a good mill at a fair price. Circulars free. Electric Wheel Co. Box 194, Quincy, Ill.

ONLY $5.00

for this first-class cooker and water heater. Just the thing for cooking feed for **stock, pigs** or **poultry** and for heating water for **scalding hogs.** Burns wood only.
The Farmer's Feed Cooker
is made of best cast iron with No. 22 galvanized steel boiler, and holds 20 gallons. We make larger cookers and will quote prices on application. Send for **free circulars.**
Reliable Incb. & Brdr. Co. Box 1 , Quincy, Ill.

Make Your Hens Pay.

You can't afford to feed hens all winter without some adequate returns. Hens will lay just as well in winter as in summer if they are fed properly.
EVAN'S...
Vegetable and Root CUTTERS
come to the relief of all poultrymen at this point. They cut all roots and vegetables into fine poultry food. Relished by all fowls and is profitable as to results. Beats dried clover, clover meal, &c. Machines greatly improved this season. **Remember, it will double the eggs this winter.** Write for catalogue prices, &c.
EVANS MFG. CO. Dept. B. 731 River St., Detroit, Mich.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

THE BRAHMA.

The Brahma is one of our oldest breeds of fowls, and it was a favorite among poultrymen years before the American varieties were thought of. That they are still favorites is very evident, judging from the numbers exhibited at our annual shows, and by the number of fanciers who are breeding them. It is also evident that any breed of fowl to be popular for so many years must have merit to recommend it, and be of practical worth, as no variety of fowl can retain a place in the esteem of poultrymen and fanciers for any length of time unless backed up by practical qualities as well as those of the strictly fanciful. And the Brahma of to-day fully meets these requirements in all respects, being good layers and a fine table fowl, and as a show bird among the most popular.

THE LIGHT BRAHMA.

The Light Brahma seems to be the popular Brahma fowl—that is, if one judges by the numbers of breeders who handle them and by the numbers shown at the annual shows; and this would seem a fair criterion to judge by. At any rate they are bred far more extensively than are the Dark Brahmas, but that their popularity is owing to their superior merit as a fowl for the practical poultryman and for the fancier, over that of their darker cousins is not so certain, as in this respect we believe the Dark Brahma to be their equal. The Light Brahma as a layer, has, in many cases, established an enviable record, one that is hard to beat, some fanciers having reported a record of about two hundred eggs a year per hen. Such a record is equal to that of the Leghorns, and are laid during the period when eggs bring the best prices. We have had Light Brahma fanciers tell us of females three years old that had never offered to set. This, of course, may be unusual, but shows what the breed is capable of in the hands of a fancier who gives his attention to the development of the practical as well as of the fancy points; and this should be the aim of all fanciers.

BRAHMA SHAPE.

The Brahma is a bird of grand and majestic carriage, one of the aristocrats of the fowl kingdom, being as they are the largest of all fowls. Their shape is such as to permit of their reaching Standard weight without being overfat, and this requires a body of good breadth at shoulders and with full broad breast, straight heavy thighs, and a good medium length of leg—a body, in fact, that is built upon a generous plan, and gives us a bird that is grand in size and appearance, stately and dignified in carriage, and well fitted to be called an aristocrat. The bird is longer in lines of back, neck, legs, etc., than the Cochin, and is not of that blocky type; in fact, a tendency to "Cochin shape" in a Brahma is punished severely when a bird with that tendency is passed upon in the show room by a competent judge. The head of a Brahma is a characteristic feature, and one that is of much importance to the genuine fancier. It should be medium in length and breadth, with the crown projecting over the eyes. A long narrow head is an abomination to the true Brahma fancier. The neck should be medium in length and breadth, keeping with length of body and size. The lines of shape throughout are what may be termed "medium," and not running to either extreme, as to the Cochin, with its short neck, back and legs, and very massive appearance on the one extreme and the old style Brahma, with its long neck, back and legs on the other extreme. The American Brahma has been brought to its present grand type by the efforts of American fanciers, who have aimed to keep it distinct in type, and totally different in character of shape from the Cochin, which is a marked contrast to the work of the English fancier, who breeds his Brahma with about the same shape of the Cochin, with its blocky shape and abundance of plumage.

BRAHMA FEATHERING.

And while this style of a bird may suit our English fanciers, it will not do for the Brahma fancier of America, as his taste calls for a bird that is distinct in type, without the abundance of feather of the Cochin, with its fluffy character, the American Brahma being closer in character of plumage and shorter in feather than the Cochin, and while the Standard calls for well-feathered legs and feet, yet it must not be of that profuse character of the Cochin. Some fanciers claim that the American bird with its closer feathering and longer lines of shape, as compared with the English bird, has been productive of a more practical bird in point of laying qualities. That this type of bird is a better layer than the Cochin type of the English. However, be this as it may, we much prefer the American Brahma with its distinct character of feathering and shape, in contrast to a bird that differs from the Cochin only in matter of color of plumage. We believe in as distinctive type as possible for each breed of fowls; and certainly the American type of Brahma is of a distinct type, and the efforts of its fanciers should be to keep it so, and not allow it to follow tendency of the English bird until it became a Brahma only in point of color of plumage.

COLOR OF PLUMAGE.

The color of the Light Brahma plumage is white and black, the white greatly predominating, the black only appearing in surface color on the neck and tail; and when in proper quantity the result is a beautiful bird. Take a female of good shape, with a hackle composed of feathers of a rich black, edged with a distinct white border, and with good black tail, with coverts of rich black edged with white, similar in character to that of the neck, and you have a bird that is beautiful and would attract attention anywhere. The character of the white and black must be good; that is, the white must be free from brassiness or yellowish tinge, and the black must be strong and rich, and not of a dull, faded character. In wing color the primaries of the male bird should possess more black than those of the female, but no fancier objects to a female with very dark primaries if he can get the other points along with them, but the tendency is in females with very dark wing to run to dark in back or neck; in fact, to adjust these simple colors, black and white, in the right proportions and in the right place is what gives the Light Brahma fancier a good share of his study, and gives to their breeding a fascination that is one of the irresistible features of the fancy poultry industry.

LIGHT BRAHMA MATINGS.

As we have said, the proper adjustment of color in Light Brahmas gives the fancier plenty of chance to exercise

25

Leg Bands—1 doz. 20c; 50, 50c; 100, 80c. Aluminum, 50, 60c; 100, $1. Get our prices on Poultry Printing. Wagle Company, Marshall, Mo

PFRIMMER & LeMAY

Breckinridge, Ind.,

BREEDERS OF

White & Barred P. Rocks, S-c. Brown and White Leghorns, Pekin Ducks.

48 premiums won at New Albany and Corydon, Ind., this sea on. 20 regular and special premiums at New Albany last January. Birds scoring as high as 95½ b. Felch.

White Plymouth Rocks.

My birds have won highest honors in strongest competition. They have no superiors,

MRS. T. R. THOMPSON,

Flournoy, Union Co., Ky.

ROCKY HILL GRIT.

PRICES:

One ton,	$7.00
½ ton,	4.00
100 lbs. (1 bag)	50

By selling for cash we have no losses and can sell to the consumer at manufacturers prices. Club together and buy at wholesale price. Low freight rates. Better than oyster shell, go twice as far. Save money, buy direct. Send 2c stamp for sample.

ROCKY HILL GRIT WORKS, Milford, Mass.

MUST SELL

All our grand breeding stock in Buff Leghorns—many winners in hotte t competition, with scores from 90 to 93½; 2 cocks, 90, 91; 20 hens and pullets. ***Must have room.*** 100 grandest young Leghorns we ever raised, must go cheap. Write for prices. We nearly give them away now. Don't miss such a bargain.

THOS. H. MILLS, Box 77, Port Huron, Mich.

Removal Notice.

My business has increased to such an extent that I have been compelled to move to larger quarters. I am now situated on a 13 acre ideal poultry farm, which will be used exclusively to breeding those noble ***White Wyandottes*** and ***Black Langshans.*** A few fine trios left of this year's breeders for $5 trio. Young stock for sale. $1 up. Address all letters to

HICKORY HEIGHTS POULTRY FARM,
H. H. Fike, Prop., Worth, Cook Co., Ill.

BUFF

Rocks, Wyandottes, Cochin Bantams, W. P. Rocks and White Wyandottes. I have some very choice young stock in the above varieties for sale. If you want birds for show or breeding stock write me for prices, describing your wants I will try and please you. Also a few Ferrets for sale at $2.50 and $3 each or $5 per pair.

A. F. ACKLEY, Box 447, Woodstock, Ill.

Brattain's Brown Leghorns

Won 5 firsts, 6 seconds, 2 thirds, 2 fourths and 7 specials at Oxford and Indianapolis last winter.

50 March and April hatched chicks from the above winners now ready to show. They can win for you.

E. C. BRATTAIN,

Br. Leghorn Specialist. **Connersville, Ind.**

..THE.. **Banner Junior**

ROOT AND VEGETABLE CUTTER.

It cuts all kinds of roots and vegetables into fine shaving-like ribbons. Are greedily eaten by all kinds of poultry, large and small. It **makes hens lay** in winter just as well as summer. Makes chicks and broilers grow and mature early. The whole story is told in our booklet, "**WINTER EGGS.**" We mail it free to all inquirers.

O. E. THOMPSON & SONS, YPSILANTI, MICH.

CUT Clover 100 lbs., $1.25 200 lbs.....$2.00
C. O. Shells, ton.....$6.00 100 lbs.....$1.00
M. C. Grit, ton $7.00; 100 lb. $1.00 | Pure Beef & Bone, 100 lbs. $2.00
Cracker Crumbs, 100 lbs.....$1.50 | M. C. Dust Sand, ½-ton....$2.00
For sale after Oct. 1, Blk L'gsh'gs, Bd. Ply. Rocks, White Wyandottes Pekin Ducks and Pit Games, Cock's $2.50; pair $4.00; trio $5.00.
CLEVELAND POULTRY CO. Plattsburg, N.Y.

skill and judgment in making his matings so as to produce the best results. It is a general rule that where there is a deficiency in color in male or female to counterbalance it by a corresponding abundance of color in the other sex, and while as a rule this is good, yet the following of it does not always produce the required result, as it may be that the bird in which the deficiency of color exists may prove the stronger in breeding tendency, and stamp this defect upon the progeny, the influence of the other bird being lost by reason of its weaker breeding tendency, so that while it is an easy matter to say, correct deficiency upon one side by a corresponding abundance upon the other, the following of it does not always bring success. The fancier should know something of the ancestry of his breeding stock in order to make his matings intelligently, as by knowing the ancestry of one's breeding stock their breeding tendency will also be known, and the breeding tendency of a bird that is from a strain that has been bred for years with the definite object in view of establishing certain qualities of shape and color will be far stronger in its influence upon its progeny than a bird from a strain that has been bred in a haphazard way, with no particular plan or purpose upon the part of the fancier owning it; and it is essential that one should know the "character" of their breeding stock when making the annual matings, as, for instance, what could one expect in the way of fine color in tail coverts of females by breeding from birds in which tail coverts of females were white and had been bred so for years; could one expect, in using male and females from such a strain, to get a fine black covert with white edging, such as all true Brahma fanciers love to see and endeavor to get? No; production of prime show birds of each one must use birds that have the desired qualities that have been placed there by years of intelligent breeding, and such birds will transmit those qualities to their progeny.

THE BEST OBTAINABLE.

Of course, all fanciers are not situated so that they can get such birds for breeding stock, and in that case must use the best they can obtain, and introduce the desired quality as fast as possible. One cannot expect to produce fine hackles, wings and tails from birds that show but little black in these sections. One must have the necessary amount of color material in the breeding stock in order to produce the proper color in their chicks, and a male bird with light, faded stripe in hackle and almost white wings, and with tail more white than black, cannot be expected to sire cockerels fine in color in these sections, nor will his pullets be likely to prove good in color unless the females should be very strong in these points, and in such case the weakness of the sire might be overcome to a certain extent, and in case this was all the stock one could get, the only chance for improvement would be to select the cockerel from such a mating that was the best in color in these sections, and another season mate him back to the hens that were best in color; then from this mating one might get birds fair in color, and nearer to the right thing, and the next season by mating the best pullets back to their sire, or to a vigorous cockerel that was good in color, and to the old hens again mate a cockerel that was as good in color as the season afforded, then the result of

BUFF WYANDOTTES.

Winners Wherever Shown.

Send for circular giving prizes. Some fine young stock for sale. Eggs $2.50 per sitting.

C E. ELLSWORTH, Danville, Ill.

RAINEY MILLER,

Champaign, - - - - Illinois,

——BREEDER OF——

Light and Dark Brahmas, Buff, Black and Partridge Cochins, Black Langshans, Barred and White Plymouth Rocks, S-c. B. and R-c. B. Leghorns, Cornish Indian Games, Black Minorcas, W. F. Black Spanish, S. S Hamburgs.

Removal Sale.

Mammoth strain Light Brahmas, White Holland Turkeys, Golden Sebright Bantams, Pedigreed Scotch Collie pups. For sale at a bargain if taken at once.

MR. & MRS. J. G. LEMBKE,
Box 25, Griswold, Iowa.

Poultry for Profit, Pleasure or Show.

I have them as big as they grow, all breeds, for all purposes; rare birds a specialty; Turkeys, Geese, Ducks, Guineas, Peafowls, Pheasants, Pigeons and pet stock; Flemish, Giant and Belgan Hares; Jersey Cattle, Berkshire and Yorkshire Swine, Shropshire Sheep. Satisfaction guaranteed. Prices reasonable. Eggs at all times very low. Mention JOURNAL.

W. A. HOYT, Whitewater, Wis.

.....BEST.....

HEN RESULTS

That is certainly what every poultryman, and every owner of poultry is seeking. This is a case where results depend very largely on the quality of the hen.

SHE MUST BE WELL BRED,

for all other things being equal, the blue blooded hen **wins in the race for profit every time.**

We Breed Them, We Sell Them.

We have at the present a number of **fine females** of each of the following breeds for sale.

B. Langshans, B. P. Rocks, Light Brahmas, S. C. Brown Leghorns, Partridge Cochins, and Pekin Ducks.

Strong healthy individuals capable of leaving their stamp on any flock. **Prices very reasonable,** quality of stock considered. During the summer season we shall sell **eggs for hatching from each of the above breeds at greatly reduced prices.** Write for what you want, we can suit you both in price and quality.

Continental Poultry Farm,
Box A, Belleville, Ill.

Two For 75c

We will send

Reliable Poultry Journal
and
American Poultry Journal,

both one year for 75 cents. The regular price of each is 50 cents and you save money by sending us your subscription.

American Poultry Journal,
Chicago,
Illinois.
U. S. A.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

White Ply. Rocks, Exclusively for 10 Years.

50 choice yearling breeders for sale at a great bargain, to make room for young stock. Here is a chance to get A.No.1 stock for little money.

JAS. S. HOFFMAN, Sharon, Pa.

Barred Plymouth Rocks,

of Montauk Strain.

Equal to the best in the land. Stock for the fall shows at reasonable prices. Address

R. W. DURYEA,
Great River, L. I.

North Side Poultry Yards.

SILVER and BUFF WYANDOTTES.

No eggs. Stock for sale at all times. Agents for Spratt's Patent Poultry Food. Send for circular or write your wants.

A. & E. TARBOX,
Box A 5. Yorkville, Ill.

Roberts' Buff Rocks

are known wherever Buff Rocks are known, and what is better still, it's their merits that make them popular. Circular tells all about them.

Eggs reduced to $1 per sitting; 6 sittings $5.

R. W. ROBERTS, Box 4, Camroden, N. Y.

Blue Barred Plymouth Rocks,

Bradley Bros. Strain.

Large and showy, well barred, fine in shape and color, and no brassiness; legs and beaks a nice orange color. They are as fine a flock as there is the West. I have bred them 2 years and have been very particular to breed them to the Standard. Eggs, $2.50 per 13. No circulars. Write for price.

LEVI McNETT, Woodstock, Ill.

To Close Out,

Pekin Ducks $1 each; 6 for $5.

Light Brahmas, Barred Ply. Rocks and S. C. Brown Leghorn cockerels for sale. Belgian Hares 3 months old $1.50 per pair.

GEO. O. ANDERSON,
Rural Route B. Rushville, Ind.

W. P. ROCKS.

The hatching season is over. I have winners that will be ready for the judges by October. They are yours at a fair price.

W. M. JAMES,
Box 123. Alvin, Ill.

DAVIDSON

invites your attention to his stock of

Brown Leghorn Cockerels

Now Ready for Delivery.

REMEMBER—My breeding yards this season contained such birds as 1st cock, Chicago, '94; 2d cock and 1st hen, Chicago, '99, and 3d pullet (tied 2d) West Liberty, Iowa, '98.

WRITE YOUR WANTS.

NOTE—Change of address to 3717 West Sixty-fourth Place.

C. M. DAVIDSON, - Chicago Lawn, Ill.

300 Chicks and a few choice Hens FOR SALE

Higley's Lt. Brahmas

Elegant Catalogue Free
WILLOWHURST BRAHMA YARDS
CEDAR RAPIDS, IOWA.

the next season's work should be some good color in both cockerels and pullets. The fancier could note each season which of his matings proved the most successful and could judge from this which way of mating gave the best results, and work in that direction in his future matings by mating a son back to his dam and the daughters back to their sire. He could the next season tell which side gave the best results, and use such blood in the matings of the future. It must be understood in this subject of matings that shape must be considered as well as color, and in reality is the foundation upon which to commence to build, as one must have the vigor and strength of constitution which in the great majority of cases accompanies standard shape and this factor cannot be ignored in making annual matings, as correct shape is of as much importance as correct color, and is a quality that can be transmitted by sire or dam as well as quality of color of plumage. And the Brahma fancier must work for the combination of the two in as great a measure as possible, considering the material he may have to work with. It will not do to ignore either and think to breed birds that can enter in strong competition.

THE DARK BRAHMA.

That the Dark Brahma is not bred and exhibited as extensively as the Light is an evident fact to those who frequent poultry shows, there being but few western shows in which can be found a class of Dark Brahmas, while there is not a show but what has an exhibit of Light Brahmas, and very often one of the largest classes in the show. This fact is not because of the Dark Brahma being so much inferior in good qualities to the Light Brahma, nor because it is not as handsome a bird, but in the main we think it is because of the difficulties encountered in breeding it up to its highest state of perfection.

SHAPE OF DARK BRAHMAS.

In shape the Dark Brahmas should be the same as the Light, the standard requirements being the same in point of shape, but the Darks do not, as a rule, breed as true to the required shape as the Lights, their tendency being to run more to the Cochin type, but the more enthusiastic fanciers annually show birds that are the equal of the best Light Brahmas in shape, so that it is not an impossibility to get them up to the required type. They are a smaller bird than the Light Brahma, being the same weight as the Cochins.

COLOR OF PLUMAGE.

In color the Dark Brahma presents quite a contrast to the Lights, it being on the order of the Partridge Cochin in character, the difference being that in the male birds the silvery white in the Dark Brahma takes the place of the red or reddish brown in the P. Cochin, and in the females the gray of the Brahma taking the place of the mahogany red in the P. Cochin, while the character of their penciling is the same, and the difficulties to overcome to breeding either male or female of the Dark Brahma up to the proper thing in color is the same as those encountered in the breeding of the Partridge Cochin and the system to be followed in their mating would be the same for each variety; and any fancier who could successfully breed either variety could as successfully breed the other.

MATING.

Many fanciers of the Dark Brahma, as well as of the P. Cochin, make use of

See Here!

I will now sell a few of my this year's breeding birds at a bargain in order to make room for my young stock. If you are in need of any Light Brahmas, White P. Rocks or Black Minorcas don't fail to write me for prices on these birds. Remember I want to close them out within thirty days,

T. P. EBERSOLE, Manson, Iowa.

REMOVAL SALE.

Great reduction for next 30 days. I will sell fully two-thirds of my old stock at half value. If you want something good in Buff Cochins and Light Brahmas write for prices, enclosing stamp for reply if you mean business. I am agent for Mrs. Ella Thomas' Cholera Cure and Insect Exterminator.

J. H. GRANT, Elmira Heights, N. Y.

I MUST SELL!

Finding myself with 60 more young Buff Leghorns than I have room for, will sell—a pair for $3; a trio for $4; a pen for $5. Will mate for best results. Your name on a card for circular. Mention A. P. J.

W. H. EATON,
West End Poultry Yards, ***Jackson, Mich.***

Eclipse Leg Bands.
Poultry Printing.

Circulars and sample leg band free. Get my prices on *up-to-date* printing. "Eclipse" Leg Bands *stay on* and *stay bright*. They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed,

B. F. HUNTINGTON, Platteville, Wis

POULTRY FOOD

	50 lbs.	100 lb.
Beef Meal	$1.00	$1.80
Concentrated Meal	1.00	1.80
Ground Beef Scraps,	1.00	1.80
Granulated Bone	1.10	2.00
Fine Ground Raw Bone Meal	1.10	2.00
Mica Crystal Grit		.75
Crushed Oyster Shells		.65

C. A. DAMON, **2470 Monroe st., *Chicago.***

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3½x5½ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x3⅜ in., at same price. ☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash. ☞No less than 100 of any one kind printed.

No samples sent to any one whatever.

JEFFIE R. HUDSON, HARDIN SPRINGS, KY.

(Mr. Hudson is perfectly reliable.—EDITOR.)

GET MORE EGGS. How?

Feed the hens on **green cut bone.** They will lay double the eggs right in the middle of the winter, when eggs are worth most money.

DANDY Green Bone Cutters

with or without gear are the best machines for preparing bone for fowls. **Cut fast, turn easy.** Catalogue and prices free.

STRATTON & OSBORNE
Box 17, Erie, Pa.

POULTRY SUPPLIES

MAKE A HEN COMFORTABLE AND SHE PAYS.

We carry a full line of everything needful in the poultry yard and hen house. All **improved foods, grits, insecticides, medicines, &c.** All improved appliances—**Incubators, Bone Cutters, Clover Cutters, Vegetable Cutters, Drinking Fountains, &c.**

CUT CLOVER HAY

the great winter food, made from best second crop clover, all ready to feed, $1.75 per 100 lb. sack. Write for what you want. We have it. Large Catalogue **Free.**

HARVEY SEED CO.,
30 Ellicott St., Buffalo, N. Y.

Reliable Breeders' Directory

OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.
C. H. C. Anderson, Carlinville, Ill.
A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minorcas.
H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.
C. H. C. Anderson, Carlinville, Ill.

B. B. R. Games.
J. C. Pratt, Agent.
Residence and Yards, La Grange, Ill.
Office, U. S. Sub Treasury, Chicago, Ill.

Houdans.
John M. Wise, Freeport, Ill. 4-99-1yr

Japanese Silky.
Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.
S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.
S. D. Mandeville, Sidney, Ill.

Indian Runner Ducks.
Ber'd McCaffrey, Steubenville, O. 9-98-1y

WHITE PLYMOUTH ROCKS,
Embden Geese.

Fine cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.

TILLMAN EASLEY,
Box E, Newmarket, Ind.

Houdans, White Wyandottes,
Pekin Ducks.

Large, vigorous, prolific. This season's breeders, among which are many fine exhibition birds, for sale very low to make room for young stock.

MRS. G. A. NORRIS,
Lebanon, Maine.

For First-Class
Partridge Cochins
or
Golden Wyandottes,
(Young Stock only)
Address.
H. A. TOWNE,
Sac City, Iowa.

Poultry Supplies.

Bone Meal, Oyster Shells, Lime Stone Grit, Ground Charcoal, Beef Scraps, Broken Crackers, Caponizing Sets, Poultry Markers, Drinking Fountains, Lambert's Death to Lice, GREEN BONE CUTTERS, Poultry Wire Netting, Feed Mills, &c. Send for reduced price list.

J. H. SLACK, Mfr. Poultry Supplies,
Box 210, Bloomsbury, N. J.

Do You Want the Best?

Can spare a few sittings of eggs from two choice pens of

Barred Plymouth Rocks,

containing all our prize winners. Have shown pullets scoring to 93½ and cockerels to 93. Eggs $2.50 per 13; $5 per 30 A good hatch guaranteed.

MYER BROS., Malden, Ill.

S-c. BR. LEGHORNS,
S-c. BL. MINORCAS.

I won 7 firsts, 2 seconds, 2 thirds at Cleveland and Washington C. H., O. Eggs $1.50 per sitting.

W. H. Wiebke, 266 Beaver ave, Ft. Wayne, Ind

what is termed the "double mating" system, to facilitate the work of producing prime-colored males and females, and while there are those who claim to be able to produce such birds from a single mating, yet the majority use the "double mating" system. This system is the making of one mating produce prime-colored males, and another and altogether different mating to produce prime-colored females. In the Standard of both the Dark Brahma and P. Cochin male the required color of breast is black, yet in a mating from which the best-colored females are produced the cockerels very seldom have solid black breasts, but in the Dark Brahma are more or less splashed with white, and in the P. Cochin splashed with red, the body and fluff being also splashed with these colors, which in the case of the Dark Brahma male is allowed; that is a slight frosting is allowed on body and fluff, but not on breast, which must be black, and on the P. Cochin male both body and fluff must be black as well as breast, this giving the Dark Brahma male a slight advantage in point of ease of breeding. It is, then, the tendency, as we have said, for the male birds from a mating to produce fine female color, to come with breast, body and fluff mixed in color, and not the solid black of the Standard, and upon the other hand a mating that produces cockerels with solid black breast, etc., usually produces females too dark in color and without the much to be desired penciling. This is the natural breeding tendency of these varieties, so that most fanciers adopt the double mating system, using a male bird of the proper shape, with solid black breast, body and fluff, with strong stripe in hackle and saddle, mated to females dark in color, and with but little penciling, but fine in color of hackle, this mating being intended for the production of prime-colored males, those with good color of breast, body, fluff and hackle and saddle, and for a mating to produce females with fine color and penciling they use a male bird that shows breast evenly mottled with white, and also body and fluff, and with as fine hackle as is possible with a bird of that color, but with little stripe in saddle, and mate to such a male bird, the best females in color that could be had. From such a mating one could look for fine color and penciling in the females, with the males just the thing to use at the head of matings for the production of prime-colored females. Thus it will be seen that the breeding of Dark Brahmas is attended with some difficulties in the sex, and will give the fancier of this variety ample opportunity to demonstrate his ability to control Dame Nature in her tendencies of color distribution in this variety.

The Brahma, either Light or Dark, is a noble bird and worthy of any breeder's attention, and will not fail to give satisfaction either as a fowl for profit or as a bird for the show room. They are among the "Patriarchs" of the fowl kingdom, and have ever demonstrated their right to be classed among the favorite varieties of thoroughbred poultry.—*Poultry Herald.*

H. H. Wallis, Delavan, Wis., breeder of Black Minorcas exclusively, writes that he had "all the orders he could attend to last season, and most of them came through A. P. J." His trade promises well this fall. The egg sales were very satisfactory to both buyer and seller.

This Season's Breeder For Sale
at a Bargain.

Also young stock—Buff and Barred Rocks, Blue Andalusians, Buff and S. C. Brown Leghorns. One pair Pekin Ducks, direct from A. J. Hallock, $3

B. F PARSONS, Edwardsburg, Mich.

White Wyandottes and S-c. Buff Leghorns.

Winners at
Chicago, Coldwater, Sturgis.

Eggs $2 per 15 in season. Stock for sale at all times. Satisfaction guaranteed. Circular free. Correspondence solicited.

CHAS. F. HOWE, Coldwater, Mich.

A grand lot of Buff Rock Cockerels, Fine style, size And color. Bargains.

Buff Plymouth Rocks, Cornish Indians, Buff Leghorns and B. B. R. G. Bantams.

S. A. NOFTZGER, North Manchester, Ind.

The IONIA STRAIN
....OF....
R. C. Brown Leghorns and Polish

have a standing record east and west. Send for picture book and description. ***Eggs, $2.***

S. G. ALLURED,
IONIA, MICH.

White Wyandottes.

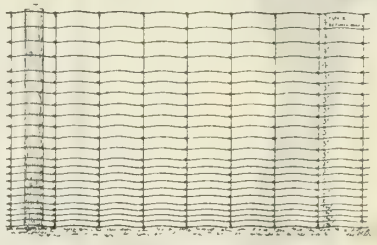
A few choice Breeders for sale cheap if you want something fine to start with he e is a chance. Write to us.

FRED KEITH & SON,
Lansing, Mich.

500 TO SELL

Light Brahmas, Barred and White Plymouth Rocks, Buff and Partridge Cochins, Mammoth Bronze Turkeys, Embden Geese and Pekin Ducks. Young and old stock for sale. Write for prices.

W. T. & S. J. SAYLER,
New Market, Ind.



Don't Compare Chicken Nettings

with Page Poultry Fence because the fence is four times as heavy and ten times stronger than the best nettings. It will hold cattle. Send for descript ons.

Page Woven Wire Fenco Co., Adrian, Mich.

THE ONLY ONE

Pike's Lice Destroyer is the only lice killer that is sold on a guarantee to kill lice and mites or money refunded. It is no trouble to use it as the liquid is sprinkled on the roosts and kills the vermin while the poultry sleeps.

Pike's Lice Destroyer, per gallon can	$ .75
Crushed Oyster Shells, per 100 lb. bag	.75
Mica Crystal Grit, per 100 lb. bag	.75
Ground Bone, per 100 lb. bag	2.00

Much lower prices for larger quantities.
Agents wanted. Send for descriptive circulars.

Ship us Your POULTRY AND EGGS

SPRAGUE COMMISSION CO.,
218 South Water St., Chicago.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

EGGS

in the winter

At High Prices

Winter eggs bring winter prices.

You can get winter eggs if you feed

American Poultry Food

It is not only economy, but a positive profit to feed this perfectly balanced food.

Mr. Hayward wants nothing better.

FAIRHAVEN, MASS., June 8, 1899.

Yours of Dec. 16, 1898, in regard to sack of American Poultry Food, which I won at the Fall River Show, would say that I gave that sack a trial and have had a good many more. I would not ask for better results from my laying stock during Jan., Feb. and March, and I lay the good results to American Poultry Food.

I thought I would wait and see before letting you know how well I liked it, until I got some chicks and what do you think; at seven weeks old, I had chicks that weighed 1½ lbs. which is better than I ever have had before and I lay the result to American Poultry Food, and I recommend it to all my friends and will continue to do the same.

A. B. HAYWARD.

Sold only in Sealed and Branded Sacks.

Try a bag and be convinced.
At your feed dealers.

Practical Poultry Feeding, a little book covering a wide range of subjects of vital interest to Poultrymen, will be sent you free, postpaid, on request. Address, **Science Department,**

THE AMERICAN CEREAL COMPANY
1353 Monadnock Building, CHICAGO, ILL.

BUCKEYE FARM, AUSTINBURG, OHIO. Drawer 13.

BUFF ROCKS GRAND IN SIZE, SHAPE AND COLOR.

BUFF WYANDOTS

THE KIND WE ALL WANT.

LARGER THAN THE GENERAL RUN OF LEGHORNS; GREAT LAYERS. **BUFF LEGHS.**

Can now furnish young or old stock and winners for the coming shows.

Address ***E. A. PHELPS, Prop.***

ALFALFA OR LUCERNE.

THE CUTTING TIME—ITS FEEDING VALUE.

For the past five years the Utah experimental station has been carrying on a line of investigation to determine at just what time in its growth alfalfa should be cut for best results, composition, annual yield per acre, and feeding value all being taken into account. In connection with this work the feeding value of such well known roughage crops as timothy hay, corn fodder, and red clover has been compared with that of alfalfa.

For this experiment a field of alfalfa was divided into three equal pieces, one being regularly cut when the first blooms appeared, the second when in full bloom, and the third when half the blossoms had fallen, these being denominated early, medium and late cuttings respectively. Incidentally there was made a comparison of the first, second and third crops.

The details of this investigation are reported in bulletin No. 61 of the Utah station, a copy of which may be obtained by addressing the director at Logan. Below are given the more important facts, together with the conclusions that may be legitimately drawn from the results:

1. The largest annual yield of hay per acre is obtained by the method of early cutting and the lowest by the late, the average result standing as follows: Early cutting 100, medium 92, and late 85.

2. The early cut alfalfa contains the highest per cent of protein and fat, the most valuable food constituents, and the lowest per cent of crude fiber, the most indigestible portion. The former decrease constantly while the latter increases rapidly from early bloom to the full maturity of the plant.

3. The proportionate amount of leaves to stems is greater at early blossom than at any subsequent time, and both leaves and stems contain a greater per cent of protein and a less per cent of crude fiber at this time than at any later period in the growth of the plant. The relative proportion of leaves to stems in the different cuttings is as follows: Early, 42 to 58; medium, 40 to 60; late, 33 to 67.

4. Alfalfa leaves as compared with stems are very much richer in protein, fat and nitrogen-free extract, and they contain a much smaller proportion of crude fiber. The per cent of the protein and fat grows constantly less and that of the crude fiber greater from the time of early bloom to maturity. The average composition of all cuttings and crops shows the leaves to contain 150 per cent more protein than the stems, 300 per cent more fat, 35 per cent more nitrogen-free extract, and 256 per cent less crude fiber.

5. The more important nutrients, protein and fat, have the highest per cent of digestibility in the early cuttings, and it grows less and less with the age of the plant.

6. In the feeding tests, the highest gains were made from the early cuttings and the lowest from the late, the results standing proportionately as follows: Early cuttings, 100; medium, 85, and late, 75.

7. The variation in the amount of the different cuttings eaten per day was very slight, being the highest for the early cutting and the lowest for the late, but the quantity of dry matter and also of digestible matter required for a pound of gain was decidedly lowest for the

early cutting and highest for the late, the relative amounts of dry matter standing as follows: Early cutting, 100; medium, 131, and late, 166.

8. The annual beef product per acre was largest from the early cuttings, not only in the general average but in each separate season's test, and that from the late cuttings was smallest, the proportionate products standing as follows: Early cuttings, 100; medium, 79½, and late, 69½.

9. Taking all points of comparison into consideration, both separately and collectively, including everything that pertains to the largest yield and highest feeding value, the tests favor cutting alfalfa for cattle-feeding when the first blooms appear.

CROP COMPARISON.

10. The first crop gave the largest yield in each of the five tests, and in fourteen out of the fifteen cuttings, while the third crop gave the lowest for every test and in every cutting but one. The average acre yield for the five years, including all cuttings, stand in the following relation: First crop, 100; second, 78, and third, 39. For the early cuttings alone, first crop, 100; second, 83; third, 66.

11. In the average composition of all cuttings for three years, the nutriments of the three crops vary but little. The second has slightly the highest per cent of protein and fiber, and the third the most fat and nitrogen-free extract.

12. The third crop has the largest proportion of leaves to stems; but the per cent of protein in the leaves is highest in the crop, and next highest in the first. The leaves of the first crop contain the most fat and of the second the least.

13. The third crop produced a higher average rate of gain in the feeding tests than the first or second and also higher than any of the separate cuttings. The amount eaten daily was also highest of all, but the dry matter and digestible matter for a pound of gain were the lowest. In a pound per pound comparison the gains stand as follows; first crop, 100; second, 81; third crop, 126; dry matter for a pound of gain, first crop, 100; second, 115, and third, 69.

14. The beef product per acre, taking the average result of all cuttings for the five years, was very much the highest for the first crop and decidedly the lowest for the third, standing as follows: First crop, 100; second, 61, and third, 45. But taking the early cuttings alone they stand, first crop, 100; second, 80, and third, 69.

15. Pound per pound, taken as a whole, the results show the highest feeding value for the third crop and the lowest for the second.

16. The average annual beef product from early cut alfalfa was 705.61 pounds per acre; it required 9,575 pounds of timothy to produce an equal weight; 11,967 pounds of red clover, and 10,083 pounds of shredded corn fodder.

The experience of years in the manufacture of a Green Bone Cutter has enabled the Standard Bone Cutter Co., of Milford, Mass., to produce a machine that successfully meets all the requirements. The good qualities of this machine are announced in their new ad in this issue and we take pleasure in recommending them to our readers in every way. These machines are sent on trial, which is a strong inducement for ordering one. A catalogue of the different styles will be mailed to the readers of A. P. J. by mentioning this journal.

White Wyandottes--Pit Games.

If you want some of our this year's breeders, better write us quick. Your money will go much further now than later in the season. Let us know your wants.

BROWNE & MANN, 428 N. 53d st., Austin, Ill.

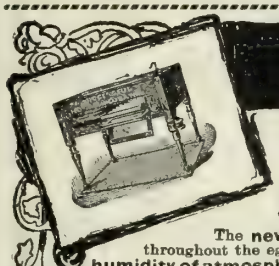
WHITE PLYMOUTH ROCKS THAT WIN.

They are better than ever. A grand lot of white youngsters coming on. It's quality, not quantity with me. When you are ready write me. A few choice breeding hens for sale at $2 each.

R. M. GARD, Box A, Frankfort, Ind.

DAVIDSON'S LIGHT BRAHMAS ARE FAMOUS for their large size, beautiful black markings, prolific laying and prize winning qualities. 40 grand breeders for sale, including winners at Mason City.

U. GRANT DAVIDSON, Manson, Iowa.



"THERE ARE OTHERS"

but none among them are quite the equal, or approach the high degree of efficiency of the

New Successful Incubator.

The **new regulator** insures an **absolute uniform temperature** throughout the egg chamber. They are so constructed as to **generate** their own **humidity of atmosphere.** No **sprinkling** of eggs with **water** or laying on of **damp cloths.** They are supplied with **fire proof lamps**—cannot increase your insurance or invalidate your policy. All about them in new catalogue and Book on Incubation. Sent for 6 cents in stamps. **DES MOINES INCUBATOR CO.,** Box 1 **Des Moines, Ia.**

ENTERPRISE

Meat and Food

CHOPPER

Unquestionably the most perfect, most convenient, most durable and most economical machine that has ever been made for chopping—

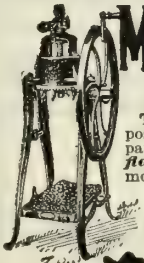
Sausage and Mince Meat, Tripe, Suet, Hash, Hamburg Steak, Clams, Chicken and Lobster for Salad, Codfish, Cocoanut, Corn for Fritters, Scrap Meat for Poultry, etc.

Does not grind or shred the food, but *chops* finely, evenly, rapidly. Our trademark **ENTERPRISE** is on every machine. Prices: No. 5, $2.00; No. 10, $3.00; No. 20, $5.00. Twenty-three other sizes and styles, for hand and power. Sold by all hardware dealers. Descriptive catalogue mailed free.

Send 4c in stamps for the "ENTERPRISING HOUSEKEEPER"—200 recipes.

THE ENTERPRISE MFG. CO. OF PA., 3d & Dauphin Sts., Philadelphia, Pa.

MANN'S GREEN BONE CUTTERS



Make 100 Per Cent. in the Poultry Business.

They prepare ***Green Cut Bone*** in the best possible form at the least possible cost. ***Green Cut Bone doubles the egg product.*** It imparts constitutional vigor to the hen and she can lay ***more and better flavored eggs.*** It makes hens lay in winter when eggs bring the most money. It makes ***chicks grow rapidly*** and makes the high priced, early market broilers. It develops the pullet and ***makes an early layer of her.*** It improves the condition of the whole flock.

Mann's Clover Cutter is made to meet the demands for a ***strong, fast, durable and easy*** running machine that will cut all kinds of hay and clover, dry or green. Has but one knife to keep in order. Safe—no danger to hands or fingers. One revolution of the wheel makes 12 cuts. They will last indefinitely. Price, $8. and $10. Made with and without stand.

Mann's Swinging Feed Tray is an indestructible feed trough that ***keeps the feed in*** and the ***dirt out.*** Hens can't scratch in it or roost on it.

Mann's Granite Crystal Grit contains Iron, Silica, Aluminum and Mica. It is the ***hardest, cleanest grit known.*** No sand or dirt. Grinds all kinds of foods perfectly. ***It is both a digester and tonic.***

Cash or on Installments. Illustrated catalogue FREE.

F. W. MANN CO., Box 56, Milford, Mass.

BUSINESS CHANCES—If you have a busines you wish sold quickly, or if you wish to engage in any new line, or change your location, address our Business Dept.
EXCHANGES—Our exchange list is the largest in the country, and if you have real estate or any legitimate property you wish to trade, address our Exchange Department. No charges without sale. Give full information first letter.
MERIAM, ELLIS & BENTON, 511 Minnesota ave., Kansas City, Mo., U. S. A.

WANTED—A MAN—One to buy, rent or take an interest in a modern, well equipped poultry plant. Good chance for a man who thoroughly understands the business. Over 5500 sq. ft. of floor space.

WHITE SILVER **WYANDOTTES** GOLDEN BUFF
F. M. GRIER, Prop., Box C., Charlotte, Mich.

Denny's BUFF ROCKS, "GOLDEN ROD" Strain.
100 Yearling Breeders **FOR SALE.** Females, $2.50 and up. Males, $5 and up.
200 Chicks Bred from **PRIZE WINNERS** Ready to ship from now on.
Write for particulars. W. C. DENNY, BOX J., ROCHESTER, N. Y.

White Wyandottes and Buff Cochin Bantams.

Our White Wyandottes are fine. The best legs, beaks and eyes we ever secured; other sections equally good. Will have fine cockerels after Sept. 1st. And the Buff C. Bantams are simply grand. Buff to the skin and fine feathering. A very few cockerels, pairs and tries for sale. Will send sample of feathers to those who mean business. In writing please describe just what you want and our prices will be low when you consider quality. We always answer inquiries.
G. C. FLEGEL, Westville, Ind.

BUY THRIFTY, FARM BRED STOCK.

The kind that will bring you success.
Our Prize-winning **ROSE COMB BROWN LEGHORNS** Have Frost Proof Combs.
Stock for sale. Prices r'ght. Satisfaction or money back.
FERRIS & ZINK, Props. Oak Leaf Stock Farm, NEW ALBANY, IND.
Charles M. Zink, Secy Treas. American R. C. Brown Leghorn Club.

Winners.

Our birds won the best prizes wherever shown during the past winter and the superior matings in our breeding yards this season have produced stock that can and will win at the coming winter shows and fall fairs. Do you want such stock? LARGEST POULTRY PLANT in Ohio. This country's best Turkeys, Geese, Ducks, Chickens, Guineas, Peafowl, etc., etc., etc. Address
CHAS. McCLAVE, 416 Ashland st., New London, Ohio.

JUST LIKE THEIR DADDY!

I have an unusually fine lot of young cockerels for sale, bred from the cock which took **FIRST PRIZE** at the big **CHICAGO SHOW.** *Large, Strong, Stylish* and correctly feathered. They are sure to make fine foundation stock. I havn't time to breed anything but the best. Eggs $2 for 15 in season.
DANIEL PURNELL, Geneva, Ill.

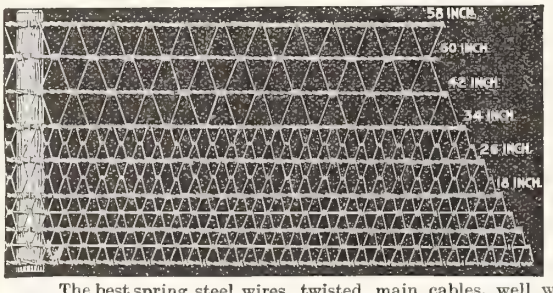
Only White Wyandottes.

Cockerels, Trios, Pairs or Pens

Buff Rocks and Black Langshans.

—Better this Season than ever.
—From last Season's Winners.

Best quality for lowest price—quality considered. Winner of American Buff Rock Club Cup for Indiana, year 1899, for best cock, hen, cockerel, pullet and pen.
S. E. McINTOSH, Hardinsburg, Ind.



The Fence Of the Times.

The best spring steel wires, twisted main cables, well woven cross wires. Heavy enough for all purposes, yet low in price. Heavy galvanizing, expansion and contraction provided for. Once properly put up will last practically forever.
THE ELLWOOD FENCES
Sold by our agents everywhere. If no agent in your town write direct to
AMERICAN STEEL & WIRE CO., - Chicago or New York.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

POULTRY RAISING A SCIENCE.

For more than a quarter of a century AMERICAN POULTRY JOURNAL has taught that poultry raising is as clearly a problem in science as any that is presented to the farmers or breeders. This fact is now admitted by the thoughtful producer of poultry. Every step taken by him is done by definite and generally understood rule. Hatching is a matter of exact knowledge; care is a matter of constant study. Among the more essential questions is the selection of foods, for both chicks and fowls. At this point we are able to demonstrate that the work in the yards is a recognized scientific proposition because several of the largest concerns in America have devoted thousands of dollars to the study of making the right kind of poultry foods. This branch of their work is termed "Science Department," and educated men are employed in preparing the way to the production of the very best cereal and meat compounds that can be devised. Large sums of money are invested in these plants. Thus we see that the feeding of poultry has reached the commercial dignity of a great enterprise. Among the leading providers of poultry foods of various kinds is the American Cereal Company, 1353 Monadnock Bldg., Chicago. This vast concern is famous for its table foods, and is no less noted proportionally amongst poultry fanciers for what is being done. The immensity of the business secures economy in production and the facilities at command insure excellence of quality. Therefore we recommend American Poultry Food to all who wish an economical and valuable made food.

PURITAN POULTRY FARMS.

Seeing is believing. Those who can not visit the immense poultry plant at Stamford, Conn., can send 8 cents in stamps for one of the most instructive catalogues that we have seen this year. The mammoth plant is fully illustrated with half tone views of the buildings and runs. We are informed that 36,000 pairs of birds were sold through the New York offices of this concern last season. This is certainly the most remarkable poultry enterprise in the country, and we shall have more to say concerning it in a future issue.

E. F. Hormig, Litchfield, Ill., is closing out his Black Langshans and offers some high-scoring birds at exceedingly low prices in order to dispose of them at once. He will in future devote his time to the Barred, White and Buff Plymouth Rocks and he says he can supply his customers with the very best stock of these varieties. His foundation stock in White Rocks is from Frank Heck and his Barred Rocks from E. B. Thompson. In his card elsewhere he states that he has some Barred Rock cockrels for sale that are extra fine at fair prices. Mr. Hormig's references as to reliability are the very best.

Fanciers of grand Brown Leghorns will naturally find the ad of C. M. Davidson, Chicago Lawn, Ill. He has had to move recently because of a rapidly growing business that demanded larger quarters. He is an expansionist in poultry lines, anyhow, and he has demonstrated that the fowls can be made to pay. We hope to have him tell how he does his work. Write him, naming A. P. J., and find out about the early hatched cockerels.

OUT DOOR BROODERS.

Although our experience with brooders is limited we believe we have learned some things about the rearing of chicks artificially that will benefit at least the amateur. A good brooder is an essential thing to own on the start, and if one intends doing much of any work with brooders, they should be three feet square or large enough to hold comfortably fifty chicks until six weeks old. No matter how large or how small the brooder is never place more than five or six chicks to every square foot of brooder floor space. This is as necessary with little chicks as with older fowls—overcrowding must be avoided.

The chicks should not be placed in the brooder until about thirty-six or forty-eight hours old and the temperature of the brooder will need to be as near that of the iucubator, at time of removal, as possible. The best guide as to the amount of heat required is the chicks themselves. When too cold they will crowd together and when too warm they will show it by being restless, and if very warm, with their little beaks open panting for breath. When comfortable they will lie about on the floor with their beaks in the sand, asleep. We think it best to use a thermometer in order to note any change in temperature, but do not believe there is any hard and fast rule for the amount of heat, as different brooders vary a great deal in characteristics; the safest plan is to watch the chicks themselves.

Sudden changes of temperature are the most common causes of failure in brooding chicks artificially; especially is this so with the earlier broods, whether brooded indoors or outdoors. To guard against this difficulty we trim the lamp daily and refill it with oil; we use an old pair of shears for trimming the wick and are careful to cut all the charred portion of the wick off so as to give a clear bright flame with a free flow of oil. If the wick is just pinched off or rubbed over with a match, it will soon become charred again and the flame will become weak, allowing the temperature of brooder to drop, during the night, just when the chicks need the heat the most. We lost nearly an entire brood before we learned that, because the instructions that came with the brooder said to rub off the charred wick with a match, so you see it is not always safe to go by instructions that are sent out with the machines.

Early chicks which are raised in outdoor brooders and confined must have plenty of grit and green food in some form whether they have anything else or not.

The brooder lamp will burn best at night if filled and trimmed in the afternoon and the little chicks should not be allowed access to drinking water any more than three or four times a day until ten days or two weeks old. Brooder chicks should have a small runway in front of the brooder when first allowed on the ground and later on a small yard made of inch mesh poultry netting. Do not keep them confined too long if they are to grow to be large vigorous chicks. There is nothing like range to give them health and vigorous constitutions.—*V. D. Caneday in Poultry Herald.*

—o—

Covers the Country.

E. H. Epperson, Champaign, Ill., March 11, 1899.— American Poultry Journal is all right. In one week after inserting an ad I had answers from New York and Texas.

This is Interesting.

I have raised more chicks than last year and think they are even better. I am about ready to sell

Young Birds.

I have a lot of last season's breeders that I want to close out soon.

Anyone Thinking

of raising **WHITE WYANDOTTES** should remember who was "awarded the palm" at Boston this year in the hottest competition of the country. It was **THE** White Wyandotte specialist,

ARTHUR G. DUSTON,

Box 1020. Marlboro, Mass.

For Sale.

FIVE HUNDRED HEAD cocks, hens, cockerels and pullets following varieties: Black Langshans, White Cochins, Barred Rocks, White Rocks, White Wyandottes, Brown Leghorns, Cornish Indian Games and Bronze Turkeys. Prices reasonable. No culls sold at any price.

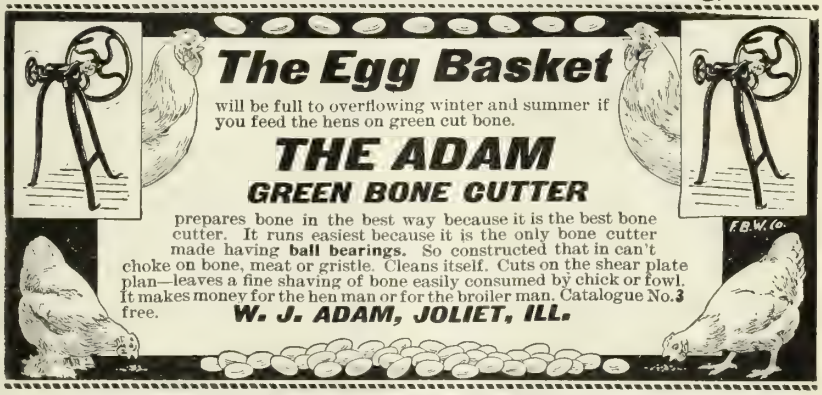
Address ***R. D. BURNHAM, Champaign, Ill.***

Indian Runner Ducks.

Wonderfully Prolific.

Are rapid and easy growers. Handsome in appearance. Eggs and stock for sale. Write us.

R. B. & C. H. DAYTON, Box 8, Remsenburg, N. Y.



The Egg Basket

will be full to overflowing winter and summer if you feed the hens on green cut bone.

THE ADAM GREEN BONE CUTTER

prepares bone in the best way because it is the best bone cutter. It runs easiest because it is the only bone cutter made having **ball bearings.** So constructed that in can't choke on bone, meat or gristle. Cleans itself. Cuts on the shear plate plan—leaves a fine shaving of bone easily consumed by chick or fowl. It makes money for the hen man or for the broiler man. Catalogue No. 3 free.

W. J. ADAM, JOLIET, ILL.

"THIS IS IT."

The Utility Farm of the Age.

Plainfield Poultry Farm Co., Plainfield, N. J.

THE HOME OF

Corby's S-C. Wh. Leghorns.

The great winter laying strain.

Hundreds of youngsters bred this year from our Madison Square winners. You order—we guarantee satisfaction.

Also breeders of White Wyandottes, White and Barred Plymouth Rocks, Pekin Ducks. Circular free.

S. B. CORBY, Mgr.

Buff P. Rocks, Sing e and Rose-comb Buff Leghorns; my own "ORANGE STRAIN exhibition and breeding birds now for sale at right prices. Write,

L. B. HANNA, Columbus City, Iowa.

POULTRY ON THE FARM.

Three years ago I became discouraged in trying to raise poultry to sell by the pound. I sold off forty-five hens, and they brought me but $9.90. I concluded that there was no profit in working all summer with chickens and then giving them away. We concluded to raise thoroughbred chickens, and sell them at so much apiece, or not to sell any. We kept all the hens that we raised from the thoroughbred eggs which we bought, and a part of the cockerels the first year. We purchased a roll of wire chicken netting, made a chicken yard, and penned the thoroughbred hens with one cockerel, and set the eggs under our mixed hens. We raised enough the second year to warrant us in selling off our mixed stock. We found a ready sale for all our surplus thoroughbreds. We then bought two fine cockerels, and mated them with our flock. The result was that we could not raise half chickens enough to supply the demand, and found a ready sale for all we could raise at 75 cents each. Is not that encouraging compared with the price we received for the mixed ones? We have two neighbors who are doing fully as well with a different breed. Any farmer who will have the courage to make a start in this business will never regret it. If your neighbors laugh at you for paying a large price for your eggs at the beginning, and ask you to whom you expect to sell your chickens at such prices as you expect to get, do not be discouraged. That was the way our neighbors treated us, and they were almost the first to buy. There is hardly anything that will attract attention on a farm quicker than a nice flock of thoroughbreds. Now we are not fanciers, remember, but have simply substituted good for poor stock, and are making money in an industry which before was profitless.—*Mrs. C. F. Lipsey, in Agricultural Epitomist.*

The question of how much will a chick gain, is an interesting one. The following is about correct: The eggs weigh two ounces; the newly hatched chick weighs one and a quarter ounces; at one week old, two ounces; three weeks old, six and a quarter ounces; four weeks old, ten ounces; five weeks old, fourteen ounces; six weeks old, eighteen and a half ounces; seven weeks old, twenty-three and a half ounces; nine weeks old, thirty-two ounces; ten weeks old, thirty-six ounces; eleven weeks old, forty-one ounces.—*The Poultry West.*

A prominent feature in our export trade is coming to be the shipment of poultry to Great Britain. Ohio and Kansas are said to be the leading sources of supply for export poultry from the United States. The shipments from this country, Canada and Australia are said to be very considerably on the increase. On the other hand, the exports from continental Europe to Great Britain are falling off quite rapidly. Poultrymen will be glad to learn of the increased importance the "helpful hen" is assuming in our export trade.—*Homestead, Iowa.*

All the Business He Could Do.

Joseph P. Dehner, Lincoln, Ill., May 16, 1899.—I had all the business I could do in the egg line through my ad in American Poultry Journal.

Good Results Follow.

E. T. Blood, Kent, O., March 15, 1899.—I am getting good results from my ad in American Poultry Journal.

Eggs Sure to Hatch

—the kind that will produce **strong, vigorous chicks,** depend upon the vitality of the hen that lays them. She must not be fed on **heating, debilitating food.** Really the best thing for the breeding hen is our

PIONEER CLOVER MEAL.

It makes young chicks grow rapidly. Wonderful for broilers. Makes sweet, tender, high-flavored flesh. It is made from clean clover hay, cured by our own special process so as to preserve all the bright green color and the delicious aroma and essential oils. It is ground into the finest meal by our powerful and specially designed machinery. **No additions, no adulterations,** but **clean, pure, sweet and wholesome poultry food.** Then, too, it is quite cheap—only costs: 50 lbs. $1; 100 lbs. $2; 5 lbs. 25c. Use it this winter and get eggs when eggs are worth money. Sample and editorial indorsements **FREE.**

The Bennett & Millett Co., Box A, Gouverneur, N. Y.

Dewey's Rocks and Minorca's—Manilas Galore.

OHIO STATE FAIR '99 Birds direct from my yards won 1st on Buff Rocks ckl. 1st pul. 2nd on Barred Rock hen 1st on Black **MINORCA COCK.** At Crawfordsville, Ind. Fair 99. Won 1st Barred Rock Cock, 1 and 2nd on Hen, 1st on Ckl. 2nd on pul.—1st on Buff Rock Cock, 1st on Black Minorca Cock. 1000 chicks for sale. **M. BLISS DEWEY, Jackson, Mich.**

MICA-CRYSTAL.

STANDARD POULTRY GRIT OF AMERICA.

THE PERFECTION SHELL MAKER AND GOLDEN YOLK PRODUCER.

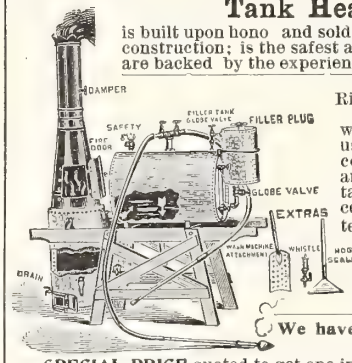
White Quartz, 58 p. ct. DIGESTER. **Aluminum, 20 p. ct.** SHELL MAKER. **Iron, 12 p. ct.** YOLK MAKER. **Magnesium, 10 p. ct.** SHELL MAKER.

Seventh Year of Successful Introduction.

For Sale by Sprague Com. Co., Darling & Co., F. S. Burch & Co., Chicago.

THE IMPROVED RELIABLE FEED COOKER

Tank Heater and Steam Generator



is built upon hono and sold on its merits. We claim that it is the most durable in construction; is the safest and lasts the longest. All these claims and many others are backed by the experience of those who have used them. Read this one.

Freeport, Ill., Sept. 19th, 1899.

Rippley Hardware Co., Grafton, Ill.

Gentlemen—Replying to your favor of the 12th inst., will say that the reason so many breeders of poultry do not use feed cookers is because they do not know the use of cooked food. We have given this question a thorough test and we find by cooking our food and adding a few vegetables that it has reduced our feed bill from 40 to 50 per cent. We followed up this matter systematically last winter and by using a cooker we saved hundreds of dollars. Any breeders of live stock of any kind certainly make a great mistake by not cooking the food. We have seen your excellent cooker in operation and know it to be strictly first class in every respect. Wishing you success, we are Yours truly, THE J. W. MILLER CO.

We have hundreds of others equally good and guarantee all to be genuine under forfeiture of $500.00.

SPECIAL PRICE quoted to get one introduced in your locality. See it exhibited in operation at all the leading State fairs. Write us for circulars, testimonials, prices, &c.

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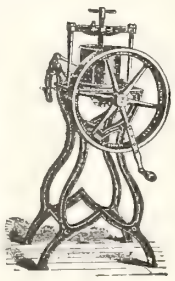

is one that cuts bone fast and fine enough for young chicks, runs easily, cuts meat and vegetables without clogging, and stands wear and tear without breaking. All of these virtues (and more, too), are contained in the WEBSTER & HANNUM **GREEN BONE CUTTER.**

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Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

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England's most popular fowl. Wonderful egg producer. Madison Square, N. Y., 1st pen, 3rd and 4th pullets. Boston, 1st cockerel, 1st pullet. Mt. Gretna, Pa., 1st cock, 1st hen, 1st cockerel, 1st pullet. Catalogue tell the others. Eggs from imported stock, $3.00 per 13, $6.00 per 30. White Wyandottes and Buff Rocks $1.50 per 15, $3.00 per 30. Stock for sale. Satisfaction guaranteed. Circular free.

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Have bred them 7 years. None better. *Chicago Winner*, cockerel in 1898 to head my yards mated to pullets scoring not less than 93. As a cock he won 1st prize at Cent. Mich. show 1898, score 93½. Breeding stock for sale at reasonable prices. *Eggs $2 per sitting from pen No. 1; 2 for $3.50; 3 for $4.50* From other pens, *$1.50 per sitting; 3 for $3.50. Satisfaction guaranteed.*

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A clean sweep at Indianapolis great show—1st on young tom; 1st, 2d and 3d on hen; 1st, 2d and 3d on pullet; 1st on pen and special prize for best display. January, 1899, highest honors at four other shows.

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You Will Find It on Page 447. Don't Miss It.

Vol. 30. *November, 1899.* *No. 11.*

AMERICAN POULTRY JOURNAL

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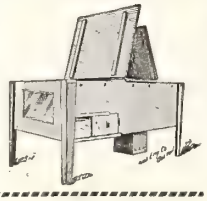
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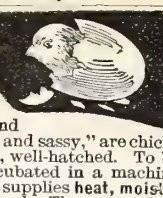
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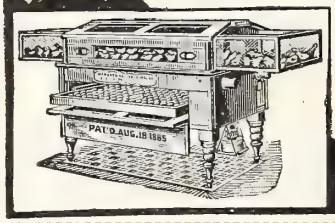

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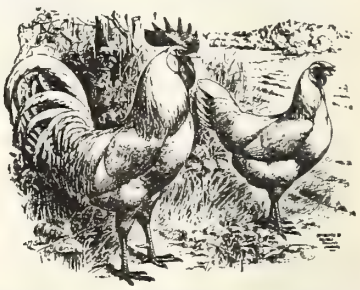
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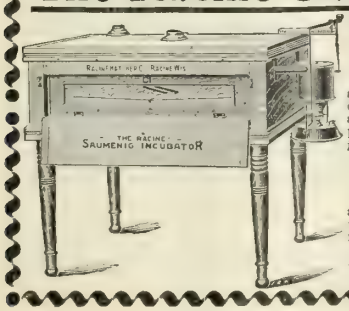

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12 PARTRIDGE COCHIN cockerels, from $2.50 to $5 each.

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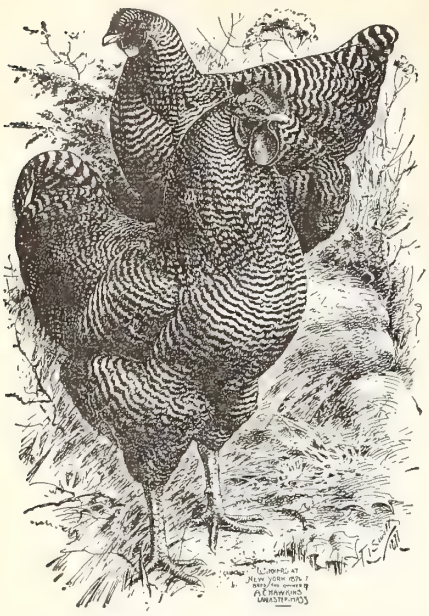

Winners at New York, sketched from life.

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ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER WHITE AND BUFF.

SHOW BIRDS
THAT CAN WIN IN ANY COMPETITION.

Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1899 have proved a grand success.

At the Great National Show, WASHINGTON, D.C., in **hot competition** with over **300 birds** of these varieties, the best that could be found regardless of price, I won **45 Regular and Special Prizes on 39 Entries,** including **First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockeral in the show** (Bantams excluded), and this on my **First Prize Barred P. Rock Cockerel.** My winning White Wyandotte cock was pronounced by the judges to be the **best they had ever seen.** I won twice as many first prizes as **all other exhibitors** of these varieties. My **BUFF ROCKS, at BOSTON,** 1899, in hot competition, won **more first and special prizes than all others.** My customers are winning all over the country. If you want the **BEST,** write me. Hundreds of **Choice Exhibition** and **Breeding Birds** at **honest prices.** Catalogue of America's finest **Plymouth Rocks** and **Wyandottes free.**

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CORNELL'S LEGHORNS,

at New York, February, 1899,

Were Again Awarded the Highest Honors.

My **S. C. WHITE LEGHORNS** winning the American Leghorn Club cup for the best exhibit, besides winning first prize for the **BEST BREEDING PEN;** also **EVERY FIRST PRIZE** offered on male birds—1st cock, 1st cockerel, 1st pen and cup for best exhibit. Besides this grand record my White Leghorns have been exhibited by me at the Great New York show with uniform success since 1893.

My **BUFF LEGHORNS** are **CHAMPIONS OF THE EAST** and to-day lead all other strains of this variety. They have won **1ST ON BREEDING PEN** for the past **THREE CONSECUTIVE YEARS.** No other breeder of Buff Leghorns has ever won 1st on breeding pen for so many consecutive years at New York. Besides this, I won 1st cock, 2d cockerel, 2d and 3d hens, 1st and 2d pullets and the **AMERICAN LEGHORN CLUB CUP** for best exhibit.

A Few Choice Golden Penciled Wyandotte Cockerels,

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CATALOGUE. EZRA CORNELL, Ithaca, N. Y.

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We have raised 300 chicks this spring, all sired by the first prize cocks and cockerels at Chicago and Detroit shows, '98 and '99, that will be ready for fall shipment. Now is the time to buy choice breeders. Send for circular. Smith strain is the best. Get the best. We keep them.

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The Kind that Stay White.

WHITE WYANDOTTES — Especially strong in color—the stay white plumage—combs and size.

PEKIN DUCKS — Our Ducks are extremely large, with deep keel and the much desired Standard beaks. They are long bodied and white—pure white. Breeding and exhibition stock always for sale.

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The Daisy and Crown BONE CUTTERS.

Best in the World.

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THE GEM CLOVER CUTTER.

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Dewey's Rocks and Minorcas—Manilas Galore.

OHIO STATE FAIR '99 Birds direct from my yards won 1st on Buff Rocks ckl. 1st pul. 2nd on Barred Rock hen 1st on Black **MINORCA COCK.** At Crawfordsville, Ind. Fair '99, Won 1st Barred Rock Cock, 1 and 2nd on Hen, 1st on Ckl. 2nd on pul.—1st on Buff Rock Cock, 1st on Black Minorca Cock. 1000 chicks for sale. M. BLISS DEWEY, Jackson, Mich.

BUFF ROCKS AND COCHINS—Winners Wherever Shown.

Fine breeding and exhibition stock for sale. Owing to lack of room, have decided to close out my Buff Cochins. Prices reasonable and satisfaction guaranteed.

J. C. BROWN, LOCK BOX 17, CAMPBELLSBURG, IND.

• • • Phœnix Poultry Yard. • • •

Saturday, Feb. 4th, I had my entire stock of Lt. Brahmas, Blk. Langshans, S. L. Wyandottes Buff, Barred and White P. Rocks scored by Chas. McClave and as a result found 96 birds that run from 90 to 94. I have several that score 94½ by such judges as B. N. Pierce, F. J. Marshall and W. M. Clark. Examine my show record at Cincinnati and Portsmouth, O. Write me for prices on stock and eggs. Satisfaction guaranteed. Ten for a hatch or duplicate at half price. Chicks two weeks old 25 cts. each. ***MRS. J. H. OREBAUGH, Box 7, Batavia, Ohio.***

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Early 1899 hatched gobblers during the month of October at ***$2.50 Each.***

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American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.
Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.
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THE FANCIER IN THE POULTRY YARD

BY THOS. F. RIGG.

In view of the fact that the exhibition season will open this month, I have thought that some facts regarding the preparation of specimens for the show pen would be fitting at this time. Perhaps the old campaigners will here find nothing to particularly interest or instruct them, but there is a host of fanciers among AMERICAN POULTRY JOURNAL readers who have had but little experience in the difficult task of preparing birds for exhibition. To these men and women I most respectfully dedicate these lines. I do hope that some beneficial conclusion may be drawn herefrom.

In these days of progress and expansion the fancier finds competition in the show room very keen. It is utterly useless for a fancier to place "ordinary to good" specimens in our winter shows today. Not only this, there is nothing businesslike about it. It is winners that count. The world all admires a winner, and in this is absolutely right.

The only way to produce very high-class show birds is to breed from the very best specimens obtainable, whose ancestors were properly bred. Blood and breeding count for as much in fowls as in human beings. What is bred in the bone will surely manifest itself in the flesh.

We will at once get down to our subject, "How best to prepare birds for exhibition," assuming that the operator has selected proper specimens.

First of all, each specimen must be absolutely healthy. No use trying to bring a debilitated bird to proper show condition. It cannot be done. Bear in mind that, all else being equal, the best conditioned bird wins.

Let us first consider the hen and cock. These aged birds must of necessity go through the molting period this fall. Adult birds intended for exhibition at the winter shows must receive special and very thoughtful care at the beginning of the molting season. Such specimens must not only molt in season, but must molt properly. It will not do to allow nature to take its course in this instance. Nature and the fancier are at conflict, in many respects, in the show room, for the good and sufficient reason that the show room is an unnatural place for a fowl. There are various systems pursued by the exhibiting fancier to induce early and proper molt. In the September issue of AMERICAN POULTRY JOURNAL I told how the breeder could, to advantage, care for his fowls during this period. The fancier, as stated, must go a little farther along the same lines. For several years I have used the following mixture, it being given to the specimens intended for exhibition:

One ounce of carbonate of iron, pulverized gentian root, black antimony, mandrake, ginger, and flour of sulphur; three ounces of bi-carbonate of soda; four ounces of flaxseed meal. Mix one even teaspoonful in each quart of soft feed.

This mixture puts new life into the adult specimens, or, more properly speaking, tones up the whole system, and assists nature to properly and easily exert itself. This is given regularly from the beginning of the molting season until the fowls are properly clothed in their new attire. It creates an appetite for food, and the show bird, during the days of preparation, must have a good appetite.

The adult females intended for exhibition are most carefully housed and yarded. Warmth aids feather-production and general development. These birds are fed most liberally. The tonic above noted is mixed with ground oats, wheat bran and shorts. The whole mess is thoroughly cooked, and fed mornings, the tonic being given only every other morning. Hulled oats, wheat, barley, millet, etc., are fed each day. The birds are on grass runs.

About one month before the date of the first exhibition at which the birds are to be shown they are placed in specially prepared and fitting pens. Here is where the real forcing for weight is practiced. The specimen, if cared for as above outlined, will go into these quarters fully molted, robust in health, and with an appetite like that of a race horse.

In most cases we now discard the tonic. Here is where we must be exceedingly careful as to our system of feeding. We must not get the birds "off feed," for if we do we will be unable to make any progress. We must continue feeding a wholesome, soft ration each morning. Give milk as drink instead of water, adding a little sugar to the milk. Each evening we give a liberal supply of cracked corn, and a little raw lean beef every other night. Cracked corn is easier of digestion and assimilation than whole corn. A moderate supply of green stuff, in way of raw vegetables, should be given quite often. Once or twice a week dust each specimen with a good insect powder. This is very important. Bed each pen daily with soft cut straw. Note carefully the disposition of each bird. There are birds which will fret and mope under exhibition preparation. You must use your own judgment in a hundred and one details.

Now comes the work of putting on each specimen the finishing touches, and here is where the true fancier's instinct exerts itself. I am not going into argument as to the right or wrong of these practices. We all admire the well-dressed, gentlemanly gentleman, and the neat, stylsh and gentle lady, as we meet them in parlor or ball room. The loving lover's sweetheart is not as attractive in her houseworking clothes as she is when he greets her in the parlor promptly at the appointed hour. Our fowls are entitled to look their best when on dress parade. That's all.

THE LEGS.—Leg color and condition are important. The legs must be perfectly clean, and so treated as to bring out the required coloring. As a general treatment we wash the legs several times a week in warm soft water, to which is added a little alcohol. Wipe dry, and apply a little sweet oil. Now take a flannel rag and rub legs thoroughly. See to it that all dirt is removed from scales before this treatment is given.

REDNESS IN LEGS.—Redness in legs must, in most cases, be avoided. If you have a case of this kind in an otherwise grand good bird, follow the above treatment. Now put a little oxide of zinc on the red parts. In nine cases out of ten this will remove the defect.

REDDENING THE FACE.—Good health gives us the most perfect face, as a general rule, but oftentimes the face of a bird can be greatly improved. Administer daily, in a teaspoonful of water, ten drops of calchicum wine, for about ten days previous to showing.

THE SHEEN.—Good health, and freedom from exposure to sun, rains, dampness and drafts, will promote the required sheen.

COMB AND WATTLES.—Be very careful here. There is not one comb in one hundred of the large-combed varieties

but needs special treatment. Apply a little glycerine to the wattles and comb daily, and work same out through fingers and thumbs. In time this treatment will take out all folds and creases and other defects.

THE LOBES.—We must be very careful in lobe treatment. Fingering will induce reddening of lobes. The white lobs, if defective, is very hard to handle. For such a lobe, bathe twice daily with warm milk. After drying apply a little oxide of zinc. This will remove the defective red spots. I know no way of removing white from a red comb, permanently.

ADULT BIRDS.—Treatment of adult hens is same as we prescribe for cock birds, excepting, that each cock must be removed to a separate pen.

THE YOUNG STOCK.—The young stock, if fed as previously recommended, will not need as many efforts of development bestowed upon them as do the aged birds. The well-born, well-cared-for young bird will develop properly. These, of course, must be given "the touches of the fancier" for several weeks before showing. *Keep them growing every day* until the time comes to remove them to the coops where they are to be finally prepared for exhibition.

STRAW IN PLUMAGE.—Here is where it is hard to put in writing the proper treatment to be pursued. Gloss of plumage will suffer, always, regardless of feed given birds if the birds are exposed unduly to direct rays of the sun—the greatest and best need of fowls. The keeping of the birds in rather dark quarters will aid in perfection of plumage, as to purity of color. The fact is exposure to the sun *does* take away gloss of plumage. If you have a bird that by reason of exposure to the sun has established tanned yellow, it will be difficult to do anything, except to feed for proper molt. No use trying to do anything else. A little ammonia in the drinking water will help to rid plumage of the straw, but I would not try, ordinarily, to do anything with young stock so affected.

SENDING AND RETURN OF SPECIMENS.—The exhibitor should take all possible care in the entry of his stock. Comply rigidly with the specified rules of each exhibition patronized. For several years I have placed on each entry coop a card as follows:

ENLARGE TO CARD 5 x 7 INCHES.

HOUDANS.

RETURN TO

Thos. F. Rigg, Iowa Falls, Iowa.

Invoice:

.....Cock—
.....Hen—
.....Cockerel
.....Pullet—

By..... Express

With such a card, properly marked as to breed and invoice, there can scarcely be any mistake made by the show management in the return of birds. This card is particularly valuable at the larger shows, where the single-bird cooping system is employed in the show room. The express companies like this arrangement, and have written me their hearty indorsement.

These recommendations are given herewith in the best of faith. Each and every one has been thoroughly tried, and the record shows that results have been good—more than good. It is but a brief outline of the work of the exhibiting fancier, but if the suggestions are made use of there will be fewer disappointments in the show room.

THOS. F. RIGG.

DISEASES OF POULTRY.

This series of papers on the prevention of disease, the care of fowls, the preservation of health in the flock, and the general conservation of energy in breeding poultry, is written expressly for AMERICAN POULTRY JOURNAL by DR. N. W. SANBORN, Wellesley Hills, Mass.

DEBILITY.

You know this disease or condition as "going light." You will meet it both in chicks and adult birds. Hardly a flock of a hundred chicks will grow to maturity without one or more birds growing thin, weak, with dry skin, and dying. Then, late in the fall or early winter, a bird sent to the shows or shipped to some distant state, from one cause or another, loses its appetite, "goes light" and finally dies. Again, in March or April, birds that have been overstimulated, very likely over-fat, "go light." No doubt there is a cause for this condition in chicks; but why it enters a flock of birds and takes a few while the others remain in a splendid condition is more than I can tell. In exhibition birds no doubt it is due to shock from rough handling or entirely different surroundings. In full-grown birds it is doubtless due to breaking down from an over-fat diseased condition.

DISEASES OF RESPIRATION.

The diseases of respiration are bronchitis, pneumonia, consumption and tuberculosis.

BRONCHITIS.—This is a catarrh of the mucous lining of the air tubes. It may be so mild as to be hardly recognized, or so severe as to cause death from the quantity of mucous poured out. Bronchitis may be caused by extreme changes in temperature, by dust, by exposure to a current of damp air or by an extension of disease of head or throat. Bronchitis is most often seen in the late fall and early winter. Young birds are left out in the roosting coops, perhaps crowded, and are caught in a cold rainstorm, when they ought to have been in the winter house. Roup plays a part in bronchitis, as descendants of roupy birds are found to be liable to contract catarrhal diseases. Exhibition birds often return from the shows suffering with incipient bronchitis. I have seen birds in the show room panting for fresh air and then left for hours on a station platform in a west wind and the temperature below freezing. The heating of the hall *can* be properly attended to, and a temperature of 60 degrees is high enough for the birds and all right for visitors, who always have their wraps on. I wonder we do not have more sickness from the exposure of our birds during the winter show season. When suddenly attacked with bronchitis the slight fever and thirst is hardly noticed by the attendant, and except for the frequent trips to the water dish the birds' condition passes unnoticed. If you go into the house at night and are watchful you will likely hear a slight whistling noise with each respiration. As the disease advances the sound will change from whistling to rattling, a sound that every one of you, no doubt, has heard. Having bronchitis to handle, what shall we do? If you see the bird during the first stage of the disease, which is characterized by slight fever and thirst, an effort should be made to abort the trouble. To attempt this, give tincture of aconite once an hour for five hours and then once in three hours. Keep in a warm room for a few days and feed lightly of easily digested food. If the disease passes into the chronic stage, recognized by the peculiar rattle, then you will need to follow another line of treatment. Give morning and night a tablet of potassium bichromate one-hundredth of a grain. This will tone up the mucous surfaces and gradually diminish the bronchial secretion.

PNEUMONIA is a slightly contagious, dangerous disease of the air cells of the lungs. It may be simply a catarrhal condition of the lining of the cells or it may involve the lung substance itself. Pneumonia is caused by sudden changes of temperature. Some houses have so much glass and so little ventilation that the hot sun of noon overheats the shut-in air, and at night the large surface of glass radiates heat, causing great extremes of temperature. Babying young chicks, under the false idea that cold air is fatal to them, hence keeping them in close air and on board floors, makes them tender and in condition to contract pneumonia. The open front scratching sheds for chicks or fowls does more to prevent pneumonia than medicine to cure it. The inflammation of bronchitis sometimes extends to the air cells, adding pneumonia to the first disease. With pneumonia you will find the skin hot and breathing short and labored. The bird is using every effort to get air with which to live. Listening carefully over the lungs, you will hear a low crackling noise. The bird remains quiet, is not easily induced to move, with wings slightly lowered, short of breath. To treat the bird: Remove the bird to a warm room, with moist air from boiling water, if possible. Give, morning, noon and night, a pill of phenacetin one grain, sulpho-carbolate of zinc one grain, with bread enough to give size enough to swallow. Feed on dropped eggs if the bird will take food. Tincture aconite two drops to a dose may be added to the pill if the breathing is quite difficult. If the bird gets around so as to show life and energy, build it up with tonics, such as quinine and nux vomica—a half grain of quinine or two drops of the tincture of nux vomica—three times a day. This will do for medicine, with a good, well-varied diet to strengthen. One-tenth the time and fret of dosing sick birds would prevent nearly all the ailments that are ever seen in a poultry yard.

CONSUMPTION AND TUBERCULOSIS are diseases that are hard to distinguish from each other, if indeed they are two distinct ailments. Consumption, so called

for convenience, may and often does follow an attack of roup, bronchitis or pneumonia. While both diseases are fatal, consumption runs a slower course and is confined to the lungs, while tuberculosis may be not only in the lungs but in any part of the body. Vigor and stamina are important factors in avoiding these diseases. Birds from weak or narrow-chested stock are good breeding-ground for tuberculosis germs. Damp houses and yards, too little or poorly selected food, persistent in-breeding of weak birds, give a tendency toward a condition favorable to contract tuberculosis. Just how much danger there is from consumptive animals and persons is still unsettled, but it is well to avoid all such causes of trouble to your flock if possible. Avoid these diseases by careful care of growing birds, not crowding, not keeping in damp or uncleaned houses; avoiding breeding from birds previously ill of any disease; quarantining every new bird brought from outside. Breed from birds that have been strong and active from the shell to the day they lay the eggs you set. Consumption is first of all a disease of the lungs. It commonly follows an attack of bronchitis, pneumonia or roup. There is a continuance of the weakness of the previous disease. The cough or discharge does not lessen, the body grows thin and sometimes there is diarrhœa. Much of the food eaten passes the bowels in an undigested condition. Having seen any of these symptoms, put the bird in the hospital, and when you are satisfied it is consumptive kill and bury it, or better burn it. There is no treatment that you need try, as the bird will die. Tuberculosis is more intense than consumption and runs a more rapid course. The temperature is higher, more rapid wasting, quicker breathing. Whatever the cause of consumption, in tuberculosis we find a germ playing an important part in the progress of the disease. Without this germ we have no tuberculosis; with this germ we have no disease unless a bird is debilitated from some other cause and in proper condition to furnish a field for the bacillus to grow and multiply. A cow on the farm that is getting thin, with a cough more or less pronounced, especially if there is diarrhœa, is a source of danger to any bird that has the freedom of pasture, barnyard or barn. Every poultry plant, no matter though it be small, ought to have its hospital, even though it is only a dry goods box. Properly every sick bird should be removed from the pens and put by itself. The moment you decide you have a case of tuberculosis thoroughly clean the house and yard, using carbolic acid freely and scalding all water dishes and feeding troughs. A bird sick of tuberculosis ought to be killed and burned at the earliest possible moment. Take a little more trouble and burn, rather than bury, the bird, thus avoiding a future source of danger. Do not try to cure a case of consumption or tuberculosis. Be satisfied to diagnose the disease and destroy the bird. I wish to impress upon you the fact that it is poor practice to breed from birds that have been seriously sick, and wrong to sell eggs for hatching from such stock or ship a bird for breeding that has been ill or is from debilitated stock. If your birds are inclined to easily contract disease and are plainly of a so-called scrofulous type, your best plan would be to dispose of them all and buy birds that are full of life and vigor.

Roup and Ventilation of House.

By U. GRANT DAVIDSON, Mansun, Iowa.

Now that the opportunity offers, I will write as a sequel to the experience I had in exterminating roup, with some important facts in regard to the diagnosis and prevention of this disease.

Doubtless the different opinions advocated in regard to treatment for roup arise from curing colds that have a very close resemblance to roup, and yet are not the real thing itself. For instance one party writes:

"My fowls had roup. It attacked their nostrils and throats. I cured them with liquid vaseline and blue vitriol dissolved in water."

Another flock had canker; still another sore eyes, and each owner had a different cure, and all their fowls recovered—which is proof positive in their estimation that roup is a disease easily cured.

Roup has one chief characteristic by which it may always be told, and that is a rank, putrid odor or stench that is easily discernible to the person whose olfactories are reasonably well developed. On account of this stench it need never be mistaken for any other disease in the poultry world. Fowls may sneeze, have rattling of the throat, canker, discharge from the nostrils, sore eyes or swelled head, or all of these, but if this stench is not present they have not got the roup; but any one of these symptoms accompanied by this disagreeable, putrid odor stamps the ailment at once as roup.

Good, care and dry, uncrowded quarters have much to do in controlling this disease, but cannot be relied on exclusively.

Some nine years ago when I was brand new to the poultry business, I kept some 225 hens in a house, the floor room being 15x20. There was but little snow. They were out almost every day all day, and laid well. I cleaned out under the roosts every day and used air-slaked lime freely; kept all cracks well battened and did not have a sick fowl all winter.

Of course I read all the poultry literature I could get hold of and thoroughly believed all I read. In the various reports of poultrymen I saw where many men, with the same number of hens as myself, under much the same conditions, were getting more than three times as many eggs. It occurred to me that something must be wrong; but what? I looked up the matter as best I could. I was feeding all right according to the advised methods. I combed those hens every day with a fine tooth comb, but still they did not shell out those 200 eggs. I kept warm drinking water in their troughs and all kinds of good sharp grit where they could get it easily, but still the returns were not satisfactory. I knew that something was wrong somewhere. I felt it every day of my life and every night in my dreams I would be seeking a solution of this problem, viz.: Mr. So.-and-So's hens averaged from 24 to 30 eggs a day during January and February. He fed so and so, etc. Now, if his hens would lay like that, why ought not mine to do the same under the same conditions? But were the conditions the same? I finally concluded they could not be, but resolved to find the difference. I studied all summer and fall without success, but as perseverance is one of my virtues, I kept at it and at last the first of December the following year I found it. I read where another party had made the same mistake and had written the editor of a poultry paper in regard to the matter, and he had solved the problem at once. I needed a ventilator in my hen house! Why, of course! Why had I not thought of that sooner? Mr. So-and-So, who kept more hens in less space than I, had always had a ventilator. I read that a piece of pump tubing extending up through the roof from within eight inches of the floor, right by the roosts, was the right kind of a ventilator to carry off the foul gases and admit pure air. It was just after noon that I made the great discovery, and before night I had my ventilator in position. I went to bed that night the happiest of men, fully expecting in three days hence to be gathering many additional dozens of eggs. But alas! During the third night after that ventilator was erected the wind suddenly changed to the northwest, and blew with all the rigors of the Klondike. In the morning when I opened the henhouse door the draught of pure air from that ventilator blew off my hat. I found one-fourth of my hens had colds; some had rattling of the throat; some sore eyes; some canker, and some were sitting around in the corners so nearly smothered that they had to open their mouths and stretch up their necks to get breath. But I was pretty well up on roup, or thought I was, and commenced to doctor those fowls. Of course many of them recovered, and if I had had the experience then that I have now I could have cured most of them, but I did not, and roup was the result. There was not a case of roup at the beginning, but at the end of seven or eight days there were plenty. I drove a plug in that pump stock at once, and have never had a ventilator in a poultry house from that day to this. I have never tried to keep 225 hens on 300 feet of floor space since either, for I came to the wise conclusion that whenever my poultry houses became so crowded that I needed a ventilator I would erect one 7 feet high, 10 feet wide, and as long as necessary to give an abundance of pure, fresh air at all times. There is no patent on this kind of a ventilator, to my knowledge, so all may use it. They may cost more than some other kinds in the beginning, but are cheaper in the end. Build your henhouse warm and tight. Use drop-siding and paper on the outside and paper and shiplap or ceiling on the inside. Be sure all cracks and crevices are closed up, and you have made a long stride in the prevention of roup. Keep the house reasonably clean and perfectly dry at all times. Keep your eyes and ears open for the first symptoms of disease, and when a fowl gets a cold remove to warm, dry quarters at once. For remedy I give a four-grain capsule of quinine, two pills the size of a hulled peanut, composed of cayenne pepper five parts, mustard (ground) one part, wheat flour one part, mixed with enough fresh salted butter to make it stick well together. Bathe head and throat with kerosene, and when the eyes are attacked I raise the lid and insert some vaseline. I use the kerosene and vaseline two times a day; also give pills twice a day, but quinine every third day.

If the bird is not well enough to go back to the flock at the end of a week I give the cure recommended in my former article on this subject—the hatchet.

PRACTICAL POULTRY.

Grover & Grover, of Concord, Mich., give a Few Hints on the Interesting Subject of Feeding.

The firm of Grover & Grover, whose names are familiar to many of our readers, consists of C. P. Grover, the father, and John A. Grover, the son. The elder member of the firm was an admirer of fancy poultry as early as 1875. At that time he owned a fine flock of Partridge Cochins and often exhibited them at county fairs, selling some of them at good prices for those times. Business taking him from the farm in 1883, he abandoned his pets; but his son John, having in the meantime grown to be quite a lad, developed into a full-fledged poultryman. Coming into possession of a flock of Barred Plymouth Rocks, he crossed them with Minorcas and bred them for eggs for a short time, but, not being satisfied with mongrel stock, they purchased a trio of Rose-comb Brown Leghorns in 1892, and formed the firm of Grover & Grover. That year they raised Leghorns exclusively, exhibiting them at the best shows in the state and at the World's Fair, winning the lion's share of prizes. In 1893 they added a fine pen of White Plymouth Rocks, and in 1894 Black Javas were taken up. In 1897 they decided that the American breeds were best adapted to their needs, so the Leghorns were disposed of and Buff Plymouth Rocks were taken in their place.

Their increase of business has caused them to increase their buildings from one house 12x35 to three of that dimension. Each is ceiled and laid out into five pens, with large shady runs. Directly over the roosting perches they have swing pens, arranged for the accommodation of birds.

The most of their chicks are raised on their farm adjacent to the town of Concord, until time for the birds to go into winter quarters. Then only the best are taken to their yards in Concord and prepared for selling and exhibition.

Their method of feeding is similar to that of many others. To their growing chicks they give corn and oats, ground, and bran, equal parts; wheat, corn, whole oats, sunflower seed, millet, etc.; in fact, anything to give variety. They have found it the best plan to keep food constantly before the fowls. The old fowls are fed much in the same way, only not in such quantities. They have found cabbage a cheap and very convenient green food in winter and always have a supply on hand. Their stock has improved rapidly under their care and no plainer proof of this could be had than their record for the last six years, and more especially that at the great Chicago show of 1899, where they won more regular and special prizes on White Rocks or Black Javas than any breeder of them in the middle west, including first White Rock cock, first, second third pens, fourth pen and R. P. J. $25 silver cup for the 10 highest scoring White Plymouth Rocks in the show. On Javas they won 8 regular prizes on 8 entries. They have spared neither time nor expense in bringing their flock to this high grade. They have bought the best blood in the country and are firm believers in line-breeding, having practiced this method with the best results. Their White Rocks and Javas have reached scores as high as 96½.

One of Grover & Grover's Poultry Houses.

Salt meat is a ruinous feed for laying hens, according to the experience of a contributor to *Farm-Poultry*. This statement will not be disputed, we believe, although a little salt is not harmful in the mash. The person alluded to says he had a barrel of salt beef and wished to feed it in order to save it. The meat was prepared in various ways, but the effect was to make the hens cease laying. Three months of patient work were required to eliminate the junk and get the hens back into the laying habit again.

PIGEONS IN FALL AND WINTER.

Concerning the care of pigeons during the autumn and winter months, Richard Woods writes in this manner for *London Stockkeeper*:

"Taking it for granted that breeding operations have ceased, the lofts should be cleared forthwith of all impedimenta in the shape of breeding boxes, nestpans and such like necessary auxiliaries. The entire structure should be overhauled before had weather sets in, defective roofs made watertight, cracks and crevices stopped up; in short, all necessary repairs should receive the earliest possible attention. But this is not all, for at no other season of the year is a thorough cleansing of the lofts more desirable, for while breeding operations have been going on it will have been found impossible to keep the place as scrupulously clean as one could wish, for pigeons of all breeds, and more especially those which are by nature wild and shy, resent frequent interruptions in the carrying out of their domestic duties. A hasty sweep down and a mere covering up of dust, droppings and dirt, with a quickly applied coat of whitewash, won't do. I recommend that the walls, the ceilings, the floor and the perches be first scraped, so as to remove as much as possible of the accumulated dirt and old limewash, after which the whole place should be submitted to a process of scrubbing and scouring with water and soft soap.

"Having completed the cleaning part of the business, the very essential coat or two of limewash should be applied, after which the house should be allowed to remain tenantless for twenty-four hours or more, so as to insure its being thoroughly dry. Fond as pigeons are of water, damp or indeed an excess of moisture of any kind is detrimental to their health and condition. Some breeds suffer from the effects of damp more than others, such, for instance, as the heavily wattled kinds, as well as those which are naturally inactive. Likewise such birds as Jacobins and Fantails are ill-fitted to battle with the rain and the breezes.

"From this time onwards and for many months to come protection from heavy rains, strong winds, and, later on, from frosts and snow, and, later, still, from the blasts from the east will be needed.

"It is well known to those who have studied the habits and requirements of the different breeds of fancy pigeons that scarcely any two varieties can be kept in the highest state of perfection under exactly the same conditions. The winter quarters should be dry, but airy, of course, and perfectly free from draughts. It is not, I fear, generally known that fancy pigeons of nearly all kinds will stand almost any amount of cold, providing the atmosphere be dry and draughts are rigidly excluded from their dwellings. Such, however, is the case, and it should be carefully noted."

POULTRY CROP OF MISSOURI.

The St. Louis *Globe-Democrat* says the poultry shipped and sold in Missouri last year amounted to over 70,000,000 pounds. It realized the producers at first price $4,900,000. The eggs shipped were 33,935,000 dozens, and they brought to the people who gathered them from the nests $3,393,000. Poultry and eggs together yielded to the farmers of Missouri, after their own tables had been supplied, $8,298,000.

POULTRY JOURNALISM IN ENGLAND.

Most Notable Instance of Success Achieved by a Woman in this Field —Mrs. Comyns-Lewer's Remarkable Career.

MRS. Ethel Comyns-Lewer, proprietor and editor of the *Feathered World*, London, is one of the most notable women in England at the present time.* Her career is of a kind to furnish materials for innumerable essays on the abstract theme, Success, and on the various phases of woman's work in public station. In one sense Mrs. Comyns-Lewer may be termed a "new woman," but that does not imply a sacrifice of the feminine quality. The story of her life is an inspiration, not only to members of her own sex but to struggling humanity. Stories of success read alike. There is a variation in the details of incident, to be sure, but the main elements are the same. These are: natural fitness and abilities for the work undertaken; patience and perseverance in obscurity; hope in time of discouragement; faith in the cause espoused and in one's self; opportunity and the capacity to perceive and improve it; and a masterful confidence in the ultimate result. Transmitted opportunities, with the means to govern them, as in the case of the successors of wealthy parents or the founders of great concerns, are not of the class that brings the honor due one who is rightfully termed successful. True success must rest upon the primary base of original endeavor. American readers of poultry "literature" are more or less acquainted with the *Feathered World* through frequent quotations from its interesting columns by THE JOURNAL and contemporaries. But few, however, know of the upbuilding of that prosperous publication. The *Feathered World* is a weekly journal of large size, whose circulation is nearly 60,000 copies. It is devoted to the raising of poultry, pigeons and cage birds, and to descriptions of wild fowl. The paper is one that the average American poultryman would not find especially valuable, as it is essentially English. That is to say, it deals with those subjects which are of especial moment to our transatlantic cousins and in a manner quite different from the style popular in this country. Its phenomenal prosperity proves the wisdom of its manager. It meets a demand.

Mrs. Comyns-Lewer was born in India, January 28, 1861. Her father, we believe, held an official position. He was a man of ample fortune at that time. In 1867 she was sent to England, under the care of her grandparents, and was joined by her parents a few years later. Her youth was spent in Suffolk county, under conditions most favorable to the development of the best social qualities. But in the early years of her life, she was obliged to rely upon her own exertions for a living. She learned to operate a typewriter and was the first woman typist in London. Assisted by the Society for Promoting the Employment of Women, she established a profitable business in this line. While thus employed, she was married to Alexander Comyns, a barrister, who was also a poultry fancier and editor of a publication called *Poultry*. Mrs. Comyns accepted the position of sub-editor of *Poultry* and thereby gained her first knowledge of raising poultry and publishing a magazine. Mr. Comyns established the *Feathered World* in 1889, and in December, 1890, he died, leaving his wife with three small children and a seriously encumbered estate. The new paper was far from being on a self-sustaining basis. The friends of

MRS. ETHEL COMYNS-LEWER.

Mrs. Comyns advised her to dispose of the property and return to typewriting or take up teaching as a vocation, but she declined these suggestions and assumed the seemingly impossible task of lifting *Feathered World* into success, At this time there was strong competition in the publishing field, but the established papers were—at least from our viewpoint—dull and ponderous. Still, they appeared to satisfy the English fanciers. Mrs. Comyns, however, introduced the novel idea of personality into her pages. She became at once the living factor in the work. All communications, of which there are a great number, are addressed "Madam," instead of "Editor." The tone of *Feathered World* is fearless. Its ideals are naturally high. The qualities and endowments of the owner of this modern journal are traceable to ancestors who were conspicuous in reform movements; yet the charm of her individuality is not lessened. Four years ago Mrs. Comyns was married to Mr. Lewer, of the house of Cassell & Co. Last winter Mrs. Comyns-Lewer made a brief visit to America, but did not come to Chicago. Should she find leisure in her busy life to repeat her visit and then favor the West with her presence, a most cordial reception by the poultry fanciers of this vast region will surely be extended her. THE JOURNAL gives this brief sketch of an unusual woman as an evidence of the possibilities of indomitable will-power and courage. The opportunity for just such success does not exist in every locality, it is true, but success is an achievement limited to no one field. This is the age of equal chances, regardless of sex. Whatever man can do, woman may do in the commercial, industrial or literary realm. The triumph of one woman is an inspiration to all. There are splendid opportunities in the poultry work for women. We cite this instance as a phenomenal one, scarcely to be repeated in the degree of fortune and fame, but worth considering as a substantiation of what has been said many times in these pages. There can be no serious question of the adaptability of work in the poultry yard to the conditions usually found in woman's environment. Tastes and opportunities point to her success, especially among those women who have had experience as housewives on the farm. They and their children are directly prepared for carrying on a profitable venture in this direction. We have repeatedly said, and the truth cannot be too often reiterated, that every farmer's wife, or daughter, or sister, can add at least $500 a year to the cash revenue of the place by properly cultivating poultry thereon. A moderate investment is needed at the start, to put buildings in the right shape and procure the most productive sort of stock. No great amount of money is necessary, because the foundations are already laid. After a correct beginning is assured in the work, the cost is simply in the care of the flock. Feed enough is wasted on every farm to take a large number of fowls from the chick to the block without perceptible increase of expense. Then men are too apt to be wrapped up in the production of big crops, or in hoofed stock, to give the least attention to fowls. But the housewife who knows the value of eggs and poultry will appreciate what we say. The "hen truck" that she takes to market supplies the luxuries of her life that make the margin of comfort. These statements are plain, demonstrable facts, which many a farmer's wife will confirm. There is always a market for these essentials of the table. It is, therefore, with more than ordinary satisfaction that we submit this sketch of one woman who had the courage to insist upon proving the wisdom of her opinions.

*The portrait of Mrs. Comyns-Lewer herewith shown is made expressly for AMERICAN POULTRY JOURNAL from a photograph loaned us by the *Reliable Poultry Journal*.

POULTRY LITERATURE—Its Growth and Influence.

[The following paper by C. M. DAVIDSON, 3717 West Sixty-fourth place, Chicago Lawn, Ill., was read by him before the National Fanciers' Association of Chicago, at the regular monthly meeting, October 4, 1899.]

THE capacities of a subject are never known until they are tested. That which often seems most limited, often proves nearly inexhaustible, and from a temporary hobby becomes a delightful pursuit. This I have found the subject of poultry literature.

In a general sense, literature is defined as the entire results of knowledge and fancy preserved in writing. The love of literature is one of the most marked characteristics of an advanced civilization. It exercises an important influence on practical life, on the destiny of nations, and on the progress of ages.

One of the old English writers says: "Literature is the immortality of speech. It embalms for all ages the departed kings of intellect and watches over their repose in the eternal pyramids of fame. The images of men's wits and knowledge remain in books, exempted from the wrongs of time and capable of perpetual renovation."

Another writer gives us the beautiful thought: "Literature is a garden. Books are particular views of it, and readers are visitors. Much of the pleasure and profit depends on the guides. So it is very important to obtain the assistance of those only who are familiar with the beauties and value of what they show and are able, from feeling and practice, to appreciate lights, and shades and colors."

Benefits of Good Literature.

It is chiefly through the medium of literature that we enjoy intercourse with superior minds. In their writings, great men, men of experience, talk to us; they give us their most precious thoughts and pour knowledge into our souls.

The manifold advantage which knowledge and an acquaintance with literature and science possesses over ignorance is shown in a greater or less degree in every situation in life; the grossly illiterate being qualified only for the lowest gradations of human labor.

To pass a portion of your time in the study of literature that deals exclusively with that profession or industry in which you are most interested, and from which you may expect to reap solid benefit, is recognized as all-important. Thus it is we have periodicals and books treating with special subjects. The doctor, lawyer, and merchant; the chemist, electrician, and machinist; the farmer, florist, and poultryman, together with many others, all have this educational supply of periodicals and books intended as guides to success in a particular line of work.

Poultry literature has our especial attention at this time and it must be considered in an educational light, continually dealing as it does with new and valuable facts.

It is a curious circumstance that the origin of birds so well known as the common cock and hen should be completely lost in obscurity and that they should not even have a distinctive name in our language. Even the period for which they have been domesticated is so uncertain as almost to carry us back to fabulous times.

Judging by the best information at hand I would say that the general awakening to the possibilities and importance of the poultry industry was in the early fifties. At that time the subject commanded sufficient attention to encourage the publication of the first exclusive poultry journal, which made its appearance March 1, 1854, being published weekly at London, England, as "The Poultry Chronicle." This pioneer is preserved to us in bound form and offers the present-day breeder who wishes to wade in early poultry history interesting if not valuable reading.

I came across a volume recently, on the fly-leaf of which some poultry philosopher had written: "Parts of this book are good—too ancient." It will serve our purpose, however, in arriving at some idea of the real situation at the time this publication made its appearance and I quote, in part, the introductory heralding the first poultry journal:

An Old Volume is Found.

"That poultry has of late years assumed a position of more importance than was expected, even by its most sanguine advocates, is an admitted fact. This result need astonish no one when it is considered that a subject heretofore neglected has at length come before the public urging its legitimate claims and that the taste of the public is generally admitted to be in the main a correct one. After a successful beginning, and after five years of continued, or, we may say, increasing enthusiasm in the pursuit of poultry knowledge, while shows, amateurs and exhibiters have multiplied, no journal has appeared as its exclusive advocate. It has been an adjunct to many highly respectable and talented periodicals, but contributors on poultry matters have perforce been content with nooks and corners, and some articles, replete with truth and valuable information have submitted to mutilation or, from press of matter or vice of form or composition, have been altogether cast aside. We believe we supply a 'want' in the poultry world and therefore come forward with confidence."

That this paper did fill a long-felt want is seen by the following extracts. One well-wisher writes: "A few years since every one would have laughed at the idea of a poultry journal; but times have changed, and we hail your advent with much pleasure and gratitude."

Recognized as an Authority.

Another says: "I am pleased to find that Poultry Chronicle has become a reality. I assure you it has been sadly wanted. Have no doubt there are very many situated as I am, to whom the Chronicle will be a great boon, for it seems to be filled with really useful information, such as will guide us when we purchase our stock, and instruct us how to feed and treat it afterwards."

I beg to quote once more from the editorial columns of this "too ancient" journal, to show the frame of mind of the general public at that time respecting its attitude towards the poultry industry. The editor writes: "Within the last ten years the poultry amateur was solitary in his fancy. If a friend was beguiled into his hen-run, he would look around with indifference; remark that Black Spanish fowls were certainly better looking than those which might be seen roaming about in the gutters; inquire if they were good to eat and show an evident wish to walk away."

Poultry Books in England.

Previous to the introduction of this journal numerous books on poultry were published, works principally by English authors. Poultry exhibits were also held. Some of these must have been very interesting. The one held at Birmingham in December, 1852, is worthy a passing note, showing as it does the interest in poultry at that time and the spirit of competition to possess the best, that has continued to grow to the present day. Dickson, in his book on poultry, tells us there were 5,000 birds on exhibition, and as none were allowed to be shown without a price being affixed at which the owners were compelled to sell, if desired, a great many were sold. In fact, the sums paid for the poultry exhibited during the four days the show continued amounted to nearly £2,000. Mr. Dickson tells us that in most cases the prices were very high—from £10 to £20 being asked for a Cochin-China cock and three hens, according to size, plumage and beauty of the birds; and these prices were readily obtained. It is also interesting to note that the principal kinds of fowls exhibited were Spanish, Dorking, Cochin-China, Malay, Game, Hamburg, Poland and Bantam.

Although there were different named varieties at the time of the Birmingham Show, they did not occupy as prominent a place in the public mind as did the common, or Barn-door fowl we find described by one of these early writers.

Chance descendants of this specimen may still be found even in this country; but to see them one must needs visit the "Jersey swamps," or, perhaps, they might be found among the "Low whites" of the Tennessee mountains. That you may recognize this ancestor of the feathered tribe, I give the author's description:

The Barn-Door Breed.

"The distinguishing characteristics of the Barn-door cock are a thin indented or scolloped comb, with wattles on each side, under the beak; the tail rises in an arch above the level of the rump. The feathers of the neck are long and line-like and the color of the plumage brilliant and finely variegated. The hen is smaller than the cock and has smaller comb and wattles and the colors of her plumage more dull and sombre. The best hens are generally of dingy colors, although there is an almost infinite variety in their shades. When fowls of the common kind are white they are said to be less healthy than the others and the hens are seldom good layers. White chickens should therefore be fattened for the table, particularly as the color of their skins is much better than that of the darker kinds and their flesh more delicate. The legs of the common fowl should be short, white and slender, and their bodies round and plump."

This style of fowl occupied the highest perch in most poultry yards until within very recent years. In fact, poultry culture during all this time was considered only in a small way—as a by-product, one might term it, recognized only as a subject fit to interest the farm-wife and cottager. Or, as one writer states, "to give employment and pleasure to idiots."

However, these early writers saw great possibilities ahead, though they were very skeptical in their views as to the prospect of poultry ever bringing to the investor financial success. The idea of depending on the raising of poultry for a livelihood was hooted and cried down as an impossibility. Even as late as the year 1880 we find Chambers's Encyclopedia speaks of poultry culture as a very subordinate branch of rural economy, pursued chiefly where agriculture is in a somewhat primitive state; the skillful and enterprising farmer deeming it beneath his attention, looking upon the feathered inmates of his farm-yard almost as a nuisance.

Growth from Early Efforts.

From these scattered notes on poultry history we get an idea of the narrow range this industry covered. They are facts, however, and have been put in the foreground that we may the better appreciate the present situation and understand the influence of literature bearing on the poultry industry.

During this early period there seems to have been very little of this literature outside of books and here and there a column in some agricultural paper. What little there was should receive credit for being somewhat in advance of the industry itself. The poultry journal was not yet in the field as a lasting, durable fixture. Spasmodic attempts had at various times been made to establish such periodicals, but proved unfortunate ventures. The Encyclopedia Britannica credits the first publication of this style to "The Poultry, Pigeon and Pet Stock Bulletin" issued in New York in 1869.

That this is erroneous is shown by what has already been stated with reference to the Poultry Chronicle of 1854. But as neither lived to enjoy long years of usefulness, I am ready to concede that the periodical published in New York may have been the germ from which has grown the highly perfected, instructive and indispensable class of poultry journals that are scattered throughout our country to-day.

[Mr. Davidson is in error regarding the Bulletin. It continued, as the pioneer of poultry publications in America, up to a very recent date. It passed through many ordeals, and at last departed this life. Only last winter, while at the banquet to poultrymen at the Sherman House in this city, we discussed this matter with Mr. McGrew. The Bulletin came to our office certainly as late as 1893—possibly longer. Eastern fanciers will be able to give a clearer history of this monthly.—Ed. A. P. J.]

It is well said, "Great is the power of the press," when we apply this old phrase to the poultry industry.

Like the development of electricity, poultry culture and poultry literature have been crowding time. And as we look back over the comparatively brief period covering this remarkable growth one can but marvel over what the future has in store.

In this country alone there are over ninety journals devoted to the feathered tribe, and I venture the assertion that the better score or so of these are far superior to any published in foreign lands. In point of typography, paper, presswork and illustrations they stand in a class by themselves.

It is an admitted fact that the technical class or trade papers in America show excellence that is nowhere equaled, and the poultry papers can clearly claim the very front ranks in this class. In no stock papers are the typical and ideal specimen so clearly, artistically or freely represented by illustrations as in poultry papers.

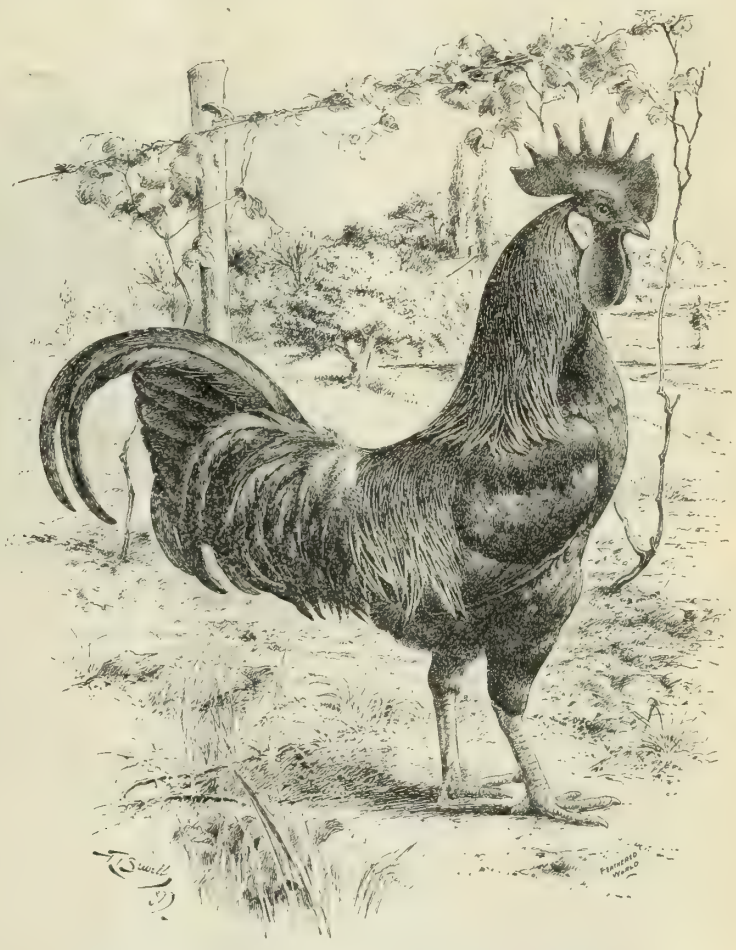
Books on the subject of poultry have also multiplied rapidly during recent years. In these the Barn-door fowl has lost a place and instead we find writers devoting whole volumns to the description and usefulness of some one particular variety bred to standard requirements.

The art of rearing poultry by artificial means was handled by the early writers as you might be tempted to pass a strange horse. Not caring to test the beast's kicking powers and knowing he possesses that power, you get out of reach as soon as possible. Thus they passed the subject of incubators, that great wooden beast of usefulness that has done so much to make it possible to operate extensive poultry plants successfully. Having mastered the incubator, largely through instructions published in our journals, men find the subject so interesting and of such recognized value that they write whole volumes on the subject.

Thus we might go on through a long list. Chapters and dissertations enough to swell into folio volumes have been written upon the usefulness of rearing poultry of all kinds and have failed to exhaust the subject.

The poultry journal owes a large share of its value and growth into usefulness to the spirit of fraternal interest and love of nature in developing the feathered pets that prompts those of experience to write instructive articles to contribute as free-will offerings to benefit others. Thus we get interchange of ideas, debate of complicated questions, note successes and failures and glean facts closely related to the proper management of poultry in its varied branches.

While I am filled with thoughts of praise for all that poultry literature has done for us, I would temper my words by also stating some of the bad effects to which this growing demand for instruction has led. There is the temptation to satisfy this craving in the production of work not thoroughly matured—loose thinking and writing. One of the greatest wrongs that can be palmed off upon the struggling classes of would-be poultry raisers is to present a dazzling picture of



GEORGE H. BURGOTT'S SINGLE-COMB LEGHORN.

As a Cockerel. this Bird won First at Madison Square Garden Show, in Brown Leghorn Class, February, 1899. He was bred and is owned by George H. Burgott, Lawton's Station, N. Y.

success, claiming that anyone may attain to it. I have seen such articles repeatedly in certain journals predicting success to any person who would get a few hens of the Barn-door type possibly—and, of course, subscribe for that particular journal. They will even go so far as to back up these promises by such an array of figures and statistics that there seems to be no possibility of failure. Thus the eager but inexperienced victim is led to invest his time and small savings in a business of which he knows nothing and learns less as time wears on, until he finally knows the worst when the collapse comes and experience teaches him that successful poultry raising, in so far as he individually is concerned, is a total failure.

Another evil that should be handled without gloves by the better class of journals is the narrow, biased opinion that prompts some journals to publish articles full of statements they must know to be falsehoods. For instance, one journal published an article in a recent number under the heading, "Chicken Chat from the Jersey Swamps," in which the writer takes occasion to not only "roast" unmercifully the score card system but the judges who issue and the exhibiters who receive them. He seems to forget, if he ever knew, that the score card is the first thing to receive attention in the Standard. This self-appointed supreme judge of poultrydom then proceeds to direct his air-gun at the Chicago Association and its officers and members. He informs his readers that we are going to judge our next show by comparison and then three judges will go ahead and score the birds. He wonders, as well he might, how this committee judging is going to come out.

A Point in Ethics.

The point I wish to make is this: When a first-class poultry journal has submitted to it an article so misleading and malicious as this it should "turn it down," or the journal is as guilty of slander as the writer.

It is said "that every chapter of history we open some text of alarm is certain to strike our eyes." But, as a corn field never returns a poorer crop because a few wild flowers grow in the hedge, let us hope that growing in such good company such journals will in time become of value worthy of note.

That the future offers as many opportunities in the improvement of poultry literature as it does for poultry culture must, I think, be an accepted fact. The chief object of any paper should be to interest and faithfully serve its patrons; nothing trifling or frivolous should find space. One of our poultry editors hit the nail square on the head when he said: "The poultry editor who hews closest to the earnest central facts of the business will prosper most and do the industry the greatest good."

What the reader wants and demands in a journal is clean pages, expression of progressive ideas and absolute facts. This will include instructions how to care for and the management of poultry both for pleasure and profit, as well as instruction how and where to buy. I would mention three classes the poultry journal has to deal with: The primary class, composed of beginners, those who know little or nothing about the business or its requirements. This class must be supplied with the A B C literature. Then comes the intermediate class, composed of those who have passed up from the primary department. Their studies include the higher branches, show reports, the art of mating, improvement of breeds, etc. They will also need brushing up occasionally with reviews covering the primary department to keep in touch with any new or improved methods. I might relate a good story illustrating this point. It's a Kansas story, telling how a good honest man, a minister who was also a fancier of chickens, knew he had a 97-point bird. He was riding in a street car one day with a stranger who proved also to be a fancier of chickens. In the course of conversation the parson volunteered the information that he had some mighty good birds, had one "Rock" that scored 97 points. The new acquaintance became quite interested and asked where he got such a good bird. "Oh, just picked him up; got him for a dollar." "Ninety-seven points is a pretty good score for a Rock, isn't it?" queried the poultryman. "Who scored your bird and where was he scored?" "Don't know," replied the preacher. "How do you know then that he scores so high?" was asked. "How do I know? Why, it is marked on his leg band." This man surely needed brushing up. Then there is the third class, the post-graduates, who require a still higher grade of literature. They wish to study methods of advertising, judging, best methods of running poultry shows, proper management of large poultry plants, etc.

KELLER'S SEBRIGHT BANTAM.

The accompanying illustration shows the Golden Sebright Bantam cock imported and owned by Ira C. Keller, Prospect, O. Mr. Keller paid $40 for this bird, which is said by leading English breeders to be the best Golden in England. He was a winner at the great Crystal Palace show. Mr. Keller has about 75 chicks for sale from this grand bird. He has proved an exceptionally fine breeder. Mr. Keller has been right in front as a Sebright breeder for over 20 years. His record at Chicago, on his Goldens and Silvers, was the winning of all firsts offered. This is a guarantee of his stock. He assures us he bred every bird he exhibited at Chicago.

Considering the ridiculously low price we have to pay for our poultry literature too much cannot be expected from the editorial room, but long theoretical articles are no longer in demand. The poultry student wants only to be told plainly in a few brief words just what to do, and as poultry literature is more eagerly sought after now than a few years back by both beginners and those established in the business, the poultry journal may be honestly called on to cover a larger field of usefulness. One might be tempted to think of poultry literature as a "bargain day" commodity, when considering the cost, were it not for the many valuable hints and chapters of needed information found in each volume. It is, I think, the cheapest in price of any literature that comes from the printing press devoted to a particular industry. Now, if you have a garden you expect to purchase tools with which to cultivate it for best results. Poultry journals and poultry books are tools carrying with them instructions how to cultivate your poultry plant. We are all students of poultry. We must not think ourselves an exception to the doctor, lawyer, minister, machinist, chemist, merchant or any one of the other trades or professions. The successful poultryman is a student and naturally demands the best text-books to be had that he may grasp the largest amount of knowledge to properly carry on his business. I think a very large proportion of the failures in the poultry business may be charged up to what people don't know, and although there is no doubt of the broadening of the public mind concerning the science and art of poultry raising there are hundreds who plod along in the old way who meet with failure or only moderate success because of ignorance. Had they started out resolved to keep abreast of the times and profit by the experience of others their lot would have been entirely different. Keeping poultry, like sailing a ship, is no child's play, and had the many who have in the past plunged recklessly into the business only made a careful study of the many requirements of poultry, at all times on the alert to profit by a word from one who by proven success is capable of giving valuable advice they would be able to say failure comes only to him who wastes his opportunities. The poultry breeder for profit is no longer looked upon as a person of leisure. He must learn his trade as surely as the professional in any other line of work, for it is a profession to be learned and requires as much earnest thought and attention as any known profession. To breed a good chicken, pigeon, duck, goose, turkey, requires thought, skill, observation, study, genius, not so much of either, perhaps, as to be a finished sculptor or painter but breeding perfect models in form, grace and plumage is an accomplishment in the fine arts as well as to execute their similitudes in marble or fix them on canvas. Poultry culture is no longer a dream, poultry literature has made of it a reality. It is no longer a hobby, a mania, for poultry literature has brought it to the view of an enlightened age and placed it among the leading industries of the world. No longer is the production of our beautiful feathered companions confined to spinsters and cripples or idiots, but elevated, counted at their worth, appreciated as things of beauty, taste and profit. They have taken their place beside the noble horse, the stately Shorthorn and all the other favored creatures of the lower order.

PRAIRIE STATE INCUBATOR.

The Prairie State Incubator Co., Homer City, Pa., has put out a low-priced machine. This new style is complete, and is sold for only $6, in the 50-egg size. Instructions for running the machine are sent in full. The new catalogue issued by the company is mailed on receipt of 8 cents, to cover postage and evidence of good will. The sole western agents of this old established house are F. S. Burch & Co., 178 Michigan st., Chicago. Read this firm's ads and mention A. P. J.

THE ST. LOUIS SHOW.

Beginning January 1 next, and continuing until 6th, lasting one week, the St. Louis Fanciers' Association will give its sixth annual exhibition of poultry, pigeons and pet stock. The officers are determined to make this the greatest show ever given in the west; and to that end have secured the Grand Coliseum building, an illustration of the interior of which appears in this issue. This is, without doubt, one of the grandest show halls in the country, having an area of 150 by 225 feet in the open, without a pillar or post. In this building the horse show is now going on, and later the flower show will give an exhibition. It is an ideal place to give a poultry show and the officers are to be congratulated for their efforts in securing it. The interior will be extensively decorated and concerts will be given daily, as well as other forms of amusement, which will help to draw the people and entertain them during their visit. From present indications, there will be a big increase in entries over previous years in both the poultry and pigeon classes. The American Magpie Club will hold their annual meeting at this time, and several other specialty clubs are figuring on meeting at St. Louis also.

The pet stock department will also be quite a feature, and they expect to have a number of cats and small dogs, hares, guineas, etc. The judges of poultry are Sharp Butterfield, H. A. Bridge, B. N. Pierce; pigeons, F. M. Gilbert and Geo. Ewald. Mr. Gilbert will not judge fantails. Mr. Ewald will place the ribbons on pet stock of all kinds.

Liberal cash prizes will be offered and many cups. Premium list will be ready about November 15. Fanciers will do well to put St. Louis on their list of shows for this season. For premium list address John A. Francisco, secretary, 1201 Lincoln Trust building, St. Louis, Mo.

MAKE HENS LAY

Nothing on earth will Make Hens Lay like

SHERIDAN'S CONDITION POWDER

It will keep your poultry strong and healthy. It will make your pullets lay early. The time to get eggs is in the fall and winter months when prices are highest. Therefore

No Matter What Kind of Foods You Use!

Sheridan's Condition Powder is needed with it to assure perfect assimilation of the food elements necessary to form eggs. It is absolutely pure; Highly concentrated. Sold by all Druggists, Grocers and Feed-Dealers. Large cans are the most economical to buy.

IF YOU CAN'T GET IT NEAR HOME, SEND TO US. ASK FIRST.
We send post-paid, one pack for 25 cents; five, **$1.00**. A two-lb. can, **$1.20**; six cans, **$5.00**. Ex. paid. Sample copy of the "best Poultry paper" free. I. S. Johnson & Co., Boston, Mass.

DR. ROBINSON'S LANGSHANS.

Dr. F. M. Robinson, Pawling, N. Y., is proprietor of Echo Hill Poultry Farm, the home of the famous Black Langshans which have made a reputation at the best shows. At Madison Square, 1898, 1st, 3d cocks; 2d, 3d, 5th hens; 2d, 3d, 5th cockerels; 1st, 2d pullets; 1st, 2d, 3d ex. yards; gold special for best Langshans. At Madison Square, 1899, 1st cock; 1st, 2d, 3d hens; 2d, 4th cockerels; 1st, 2d, 3d pullets; 1st, 3d, 4th ex. yards; gold special for best Langshans. The records cannot be given in this limited space, nor an adequate mention of these birds. Send to the above address for circulars and name A. P. J.

Grand Coliseum at St. Louis, Mo., where Show will be Held.

SINGLE-COMB WHITE LEGHORNS—BRED AND OWNED BY EZRA CORNELL, ITHACA, N. Y

EZRA CORNELL'S WHITE LEGHORNS.

The full-page illustration of White Leghorns, presented herewith, is a composition by F. L. Sewell. The originals were photographed, and the drawing was from these pictures, which were not wholly satisfactory to Mr. Cornell in the matter of posing before the camera. This is especially true of the bird at the right—the cockerel—which Mr. Cornell considers the best bird of the three males. Mr. Sewell has made the most of his opportunities, however, and has given us a very pleasing effect. The subjects are: The male in left of picure is the first prize cock; the male at right (on the rock) the first prize cockerel, and the group in the middle distance the first prize pen, all at the New York show of 1899. They were also winners of American Leghorn Club silver cup for the best exhibit of this variety at this Madison Square show. We direct attention to Mr. Cornell's ad on back cover page.

F. E. Mow, Union Mills, Ind., breeder of Buff Rocks (Nugget strain) and Buff Cochin Bantams, is winner of five records at Chicago and several other shows. We recall his Excelsior, Jr., last year, the winner of 1st and specials at Chicago for best male, best colored and surface-colored male, 1899, in Buff Rock class.

Excelsior Wire and Poultry Supply Co., 28 Vesey street, New York City, sends out a very neat and complete illustrated catalogue of poultry, pigeon and pet stock supplies. They make the Banner Egg Food and Tonic. Write them for a catalogue, naming A. P. J.

COLUMBIA INCUBATOR.

The Columbia Incubator Co., Delaware City, Del., H. C. Clark, secretary, won first and second premiums at Illinois State Fair, Springfield, Ill., September 25-30, 1899; also first at Macoupin County Fair, Carlinsville, Ill., October 3-6, 1899. The premium notification reads: "As a token of highest excellence and the best exhibit at the fair."

Geo. W. Kinzer, New Holland, Pa., won a decided victory with seven entries of Cornish Indian Games at the Hagerstown Fair. He took first and second hens, first and fourth cockerels, third and fourth pullets; first pen, gaining more points than any other exhibiter in the competition. The show was a hot one, with noted breeders in the list of exhibiters.

SKINNER'S PARTRIDGE COCHIN PULLET, "WONDER."

FINE PARTRIDGE COCHIN PULLET.

The Partridge Cochin pullet, "Wonder," bred and owned by O. E. Skinner, Columbus, Kan., was hatched January 11, 1899, and commenced laying June 10, 1899, at the age of 4 months and 29 days. She is a heavily feathered high cushioned bird. Her dam has a record of 100 eggs from November 15, '98, to May 15, '99, during the coldest winter this generation ever saw, and during that time never became broody. Wonder's growth was materially retarded by having her feet frosted February 12, running out of doors with the mother hen in a temperature of 24½ below zero. Her sire has a record of 3d at the largest Partridge Cochin show in the world.

O. P. Bennett, Mazon, Ill., will hereafter devote his attention exclusively to Buff Plymouth Rocks. He will dispose of all his Buff Leghorns, comprising Bloomington and Grand Ridge winners, at one-third their actual value. Also his prize-winning Pekin Ducks.

The annual meeting of the Illinois State Veterinary Medical Association will be held at the Sherman House, Chicago, November 15 and 16. All who are interested in live stock are invited to attend.

"Diseases of Pigeons," published by C. E. Twombly, Boston, is a convenient booklet for fanciers. It was prepared by J. A. Summers. The price is 50 cents.

A. Stransky, of Chilton, Wis., offers for sale S.-c. Brown and Buff Leghorns and Black Langshans from his winners at Waupaca, Wis. Mr. Stransky is an enthusiastic fancier and has reason to be enthusiastic on account of his winning at the last Waupaca show, with I. K. Felch, judge, securing most all the prominent prizes in a large class and close competition on S.-c. Brown Leghorns and Black Langshans. It would be well for fanciers to keep their eyes on Waupaca show, for there are some fanciers up that way that are bringing out some of the best winners of the season.

National Poultry Journal is a new candidate for public favor in this wide field. The publisher is J. W. Miller, Freeport, Ill., who has been for a long time engaged in poultry raising. The magazine is handsomely printed and starts out with a promise of success. We are glad to see this evidence of the vitality of the business. The greater the number of readers the wider the interest in poultry.

Ovamead Mfg. Co., box 44, Rochester, N. Y., is meeting splendid success with its egg-producer, Ovamead. If a stimulant is desired to force hens to lay, this is recommended by those who have used it.

S. F. Flint, Peoria, Ill., breeder of B. P. Rocks and Silver Wyandottes, who is known to older readers of A. P. J., announces his present offerings.

REMARKABLE WYANDOTTES AND SEBRIGHTS.

Among our new advertisers this month will be found the firm of Reeves & Jones, of Clifford, Ind. This firm make a specialty of Wyandottes and Sebright Bantams, which varieties they have been very successful with both as breeders and exhibiters. On their farms will be found some of the best specimens in the country; they have always been at the top in the shows, winning the big end at such shows as St. Louis, Springfield, Indianapolis, Louisville and numerous others. They have just finished an eight weeks' tour at the larger county and state fairs and report an extraordinary good win. At the Kentucky State show last January they won first pen of each variety, capturing sweepstakes on all classes of Wyandottes. At Indiana State show the following week they won pen on each

R. E. JONES.

class of Wyandottes and Bantams, defeating the first prize pen of S. L. Wyandottes at the Great Chicago show. This record is a good one, gained in the hot competition. They have some fine young birds which they offer for the fall and winter shows, in Silver, Golden and White Wyandottes, G. S. and S. S. Bantams, all farm-raised, and no better blood in the country. Look up their ad in this issue and if you need anything in their line they can please you. They guarantee satisfaction or your money back every time. Mr. Jones has the management of the poultry department and needs no introduction among poultry men and exhibiters.

H. D. Page, Ira, Cayuga Co., N. Y., offers B. and W. Menorcas and eggs from 1st prize winners at low prices. See his ad. and mention A. P. J.

CHICAGO POULTRY SUPPLY HOUSE

We carry in stock every description of Poultry Supplies. Incubators, Brooders, Bone Cutters, Oyster Shells, Grit, Blood Meal, Peas, Millet Seed, Beef Scraps, Coops, Drinking Fountains, Lice Killers, Roup Cures. Buy of us and save the freight from eastern points. Send for catalogue.

F. S. BURCH & CO.,
178 Michigan st., Chicago, Ill.

THE AMERICAN POULTRY JOURNAL

Published the first of each month by
MORGAN BATES & CO.

Entered at the postoffice at Chicago, Ill., as mail matter of the second class.

Subscription price 50 cents a year in advance.
When delivered by carrier in Chicago 75 cts. a year in advance.
Payment for AMERICAN POULTRY JOURNAL, when sent by mail, should be made by money order, registered letter, bank draft or express money order.
Stamps can be sent for small amounts.
Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a favor by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

A rumor is in circulation that wires are being laid to secure the meeting of the American Poultry Association in Chicago in 1901, in connection with the National Fanciers' Association meeting, for the purpose of booming a Chicago man for the presidency of the American Poultry Association. This report is, so far as we know, without foundation in fact. If the annual sessions of the general body are held here that year, the members may rest assured that there is no secret purpose behind the invitation. Politics in the Association are deprecated and the invitation, if extended, will be simply an act of courtesy, not a trick in the interest of any ambitious man.

THE CHICAGO SHOW.

The fourth annual exhibition of the National Fanciers' Association of Chicago will be held January 22 to 27, 1900, inclusive. If the new Coliseum now in process of erection is completed the show will be held at that place. Arrangements had been made for the lease of the building previous to the deplorable accident the last of August. Work is now being pushed rapidly with the hope of its receiving the finishing touches about the first of January.

A first, second, third, fourth and fifth prize will be awarded in all poultry classes, and a first, second and third in all pigeon, cat and pet stock classes.

Cash prizes will be paid according to competition in poultry classes as follows:

	First.	Second.	Third.
Singles for fowls:			
12 entries	$5.00	$3.00	$1.00
8 entries	3.00	2.00	1.00
4 entries	2.00	1.00	....
2 entries	1.00	....	....
Breeding pens fowls:			
5 entries	$7.00	$5.00	$1.50
4 entries	4.00	2.50	1.00
2 entries	2.00	1.00	....
Pigeon classes:			
12 entries	$3.00	$2.00	$1.00
5 entries	2.00	1.00	....
4 entries	1.00	....	....
Cat classes:			
4 entries	$2.00	$1.00	....
Pet stock classes:			
6 entries	$2.00	$1.00	....

HEIMLICH'S DATE.

Jan. 19-21, 1900—Kansas City, Mo.
Jan. 12-14, 1900—Garden City, Kas.

The association will give a $25 silver cup as special prize for best displays in the following varieties of poultry. Barred Plymouth Rocks, White Plymouth Rocks, Buff Plymouth Rocks, White Wyandottes, Laced Wyandottes, Light Bantams, Buff Cochins, Partridge Cochins, White Leghorns, Buff Leghorns, Brown Leghorns, Hamburgs, Black Minorcas, Exhibition Games, Game Bantams, Polish, Bronze Turkeys, Water Fowls, Black Langshan.

The association also gives a $10 silver cup for the best displays in varieties of pigeons: Carriers, Pouters, White Fantails, Colored Fantails, Magpies, Muffed Tumblers, Clean Leg Tumblers, Short Face Tumblers, Jacobins, Swallows, Oriental Frills, Turbets, Owls, Hen Pigeons, German Toys, Trumpeters, Archangels.

In addition the association gives a $25 silver cup and $10 in gold for the first and second best displays in varieties of poultry represented by a poultry club or association, which holds its annual meeting in connection with the association show, and a $10 silver cup and $5 in gold for the first and second best displays in all varieties of pigeons represented by a club which holds its annual meeting in connection with the association show. Other special prizes too numerous to mention at this time will be offered by various associations and individuals.

Messrs. Pierce, Russell, Bicknell, Rigg, Taylor, Lowell, Walden, Healey, Brown, Clark, Pitkin, Damon, Greer, Foote, Ewald, Gilbert and Whitman have been engaged as judges.

The prize list will be issued December 1. It is the intention that all parties interested should receive one, but if by some accident any should be missed please write to

FRED L. KIMMEY, Sec.,
Morgan Park, Ill.

The National Exhibition Game and Game Bantam Club having, as announced, decided to hold its next annual meeting in January, 1900, at Chicago, the National Fanciers' Association of Chicago has courteously offered the following prizes on Exhibition Games and Game Bantams:

A $25 silver cup for the first and $10 in gold for the second best display of ten Exhibition Games. Any ten birds competing, however, for either prize must be of one variety.

A $25 silver cup for the first and $10 in gold for the second best display of ten Game Bantams. In this case any ten birds competing may be of one or more varieties.

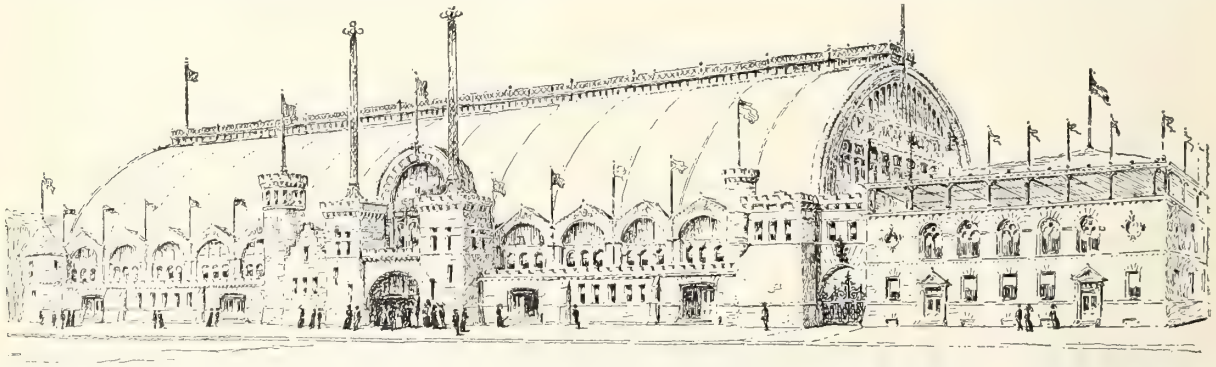
No bird, however, will be allowed to compete for any of the above mentioned specials unless it is in competition in an open class with a bird owned by another exhibiter.

The regular cash prizes offered by the Chicago Association are many and liberal. This club will also offer very attractive specials, and it is hoped that a complete list of these can be published in the December papers.

It will be seen that exceptional inducements are offered to Game and Game Bantam breeders to exhibit at Chicago, and it will also be worth their while to exhibit as members of this club. Our by-laws provide that no new members shall be admitted during one month prior to an annual meeting, so any one wishing to compete for the club specials offered at our next show must join the club before December 22, 1899. The membership now numbers 41, and great interest in the club seems to be awakening among Game and Game Bantam breeders generally. We shall have a jolly and enthusiastic time in Chicago in January, and all Game men there will enjoy themselves better if they are members of this club. The undersigned will cheerfully and promptly furnish all desired information regarding the club and its purposes.

J. C. PRATT, Sec.,
170 Adams St., Chicago.

The *Pigeon News*, of Boston, says: "Chicago is to have a great show. This fact is now assured. Fanciers in charge of the pigeon end are wide awake this year and no stone will be left unturned to get the best obtainable talent to judge the show; already three good judges are enrolled. Major Gilbert is to be one of them and this will insure a big Fantail entry from many western lofts. Last



year, we are told, there was not a white Fantail in the show, but the boys don't intend to have such a thing happen this year. Tumblers are always an important section of the Chicago show, so much so that a good specialist judge is a necessity. From latest reports we learn that this year it will be either L. W. Schimmel of Detroit, or F. W. Gorse of Highlandville, Mass. There is, we understand, a strong desire on the part of many western Tumbler fanciers to have Mr. Gorse judge for them this season, but as is to be expected the expense of such a thing would be quite large. We hope, however, they may be able to overcome that in some way and certainly think it would do the western Tumbler fancy lots of good to have Mr. Gorse officiate at Chicago."

A pessimist—a snarler and a scold, who never finds even the divine sunlight just right to his liking—is not a pleasant man to have about us. Somehow we always feel a trifle disturbed on reading the *Poultry Keeper*. That otherwise excellent and instructive publication invariably has a bilious tone in its editorials. And biliousness is a symptom of unhealth. Therefore, a great many sputterings in that page are not wholesome, or helpful, or true. They are after this style: "The dog and the cat still hold the honors at 'poultry' shows." Now, every one who knows anything at all about poultry exhibitions knows that this assertion is false. The sarcastic quotation-marks around "poultry" indicate a desire by the *Poultry Keeper* to belittle recent events; but the fact is that the great exhibitions make a very minor feature of pet stock. Here in Chicago—as also in the East—kennel and cat shows are entirely distinct affairs. The N. F. A. of C. has nothing to do with those organizations, and the cats at the last poultry show were an unimportant incident.

But even if some of the local societies, where the gate receipts are essential to a balancing of accounts, do employ this and similar means to attract attendance, there is no wrong in it. The *Poultry Keeper* is far from rational when it declares:

"It is about time that the poultry journals teach their readers that 'pet stock' is one thing and the 'poultry business' another. There is too much short dress and knee-pants nonsense joined with poultry. Pet stock has no connection with anything that is founded upon business."

Poultry journals have been "teaching" the difference between a hen and a hare for some little time, we believe. At least, we cannot recall a recent attempt at any other form of instruction.

The sneer at "short dress and knee-pants nonsense" is but another instance of forgotten trundle-bed. Pet stock has a most emphatic connection with "anything founded on business," if by the exhibition and encouragement of an interest therein we can develop a love for domesticated animals. Youth may not be concerned in poultry, but with a curiosity for pets may be induced to visit poultry shows and there learn of the value of this other form of animal culture. The means to an end in keeping with a poultryman's purpose is legitimate. We must reach people through the tastes already existing in their minds. Besides, the development of youthful love for animals is highly essential to the recruiting of the ranks of fanciers. Anything is "business" that draws crowds to poultry shows. These exhibitions should not be so strictly monotonous, or technical, or adult. We must please the general public, especially the women and children. Old fanciers will attend anyway, although they have outgrown other "pets" than their specialty in fancy birds, but newcomers must be made to feel that the show is literally an entertainment.

The second annual show of the Central Ohio Poultry, Pigeon and Pet Stock Association will be held in the City Armory, Wooster, O., December 26 to 30, with Chas. McClave as judge. They are putting forth every effort to make this show one of the best in the state. The show last year was a grand success in point of entries and attendance—financially a great success. They have over forty members. Some of the best breeders in the state will be with them this year. They are liberal in regular cash and special cash premiums, besides giving away seven (7) silver cups. They have no favorites—the best birds will win. All premiums will be paid on last day of show. C. F. Palmer resigned the office of secretary and has accepted a lucrative position with the government. You will address all communications to W. H. Lott, secretary, Wooster, O. Premium list will be ready November 10.

The rule which was adopted for the last show of the National Fanciers' Association of Chicago in regard to confining representatives of papers to a certain designated part of the exhibition hall, has been changed. Suitable accommodations will be furnished for all papers and free access granted to all parts of the building for soliciting advertisements and for all purposes. This important matter was discussed last year by THE JOURNAL, and we then said a liberal policy was the better one. No change has since then taken place in our opinion of the subject.

F. C. Hathaway, having resigned his office as secretary of the Portland Poultry Club, all correspondence should be addressed to B. L. Lott, the present secretary, or C. W. Browning, president. Those wishing to offer special premiums or desiring advertising space should correspond with the secretary, B. L. Lott, Portland, Mich., at once.

The friends of the National Fanciers' Association of Chicago will be pleased to note the fact that the Toronto Association has adopted a method of judging, in one respect at least, closely resembling "the Chicago plan." We direct attention to Secretary Bell's letter in another column, under mention of shows.

The Mississippi Valley Poultry Association has organized, within that body, a stock company, with a paid-up capital of $1,000, to guarantee prizes offered at the next show. This event is set for December 18-23, 1899, at Memphis, Tenn. The prospects for a big show are very encouraging. The judges already engaged are B. N. Pierce and D. M. Owen. Others will be employed for pigeons and pet stock. The officers are: S. T. Carnes, president; G. A. Seyforth, secretary, Memphis, Tenn. The premium list is now ready.

Death to Lice Remedies.

YOU CANNOT

make a success of poultry keeping unless you continually fight against the insect pests. You cannot always, sometimes tell whether hens are lousy or not, unless you look them over often and closely, especially among their fluffy feathers around the thighs and vent. You cannot expect hens to lay eggs mo nicely and support a lot o vermin. You cannot blame them if they die in the attempt.

YOU CANNOT

rear your winners and a crop of lice on the same place, and you cannot make money enough to buy any under these conditions. You cannot afford to do business that way. You cannot do a more sensible thing than to use Lambert's Death to Lice Powder. You cannot injure your show birds with it. You cannot use too much. You cannot stain or injure the finest plumage even if dusted while on exhibition.

YOU CANNOT

find any fault when we let others also tell our story:

Monticello, Ga. Aug., 11th, 1899.
D. J. Lambert, Apponaug, R. I.
DEAR SIR:—We use your Death to Lice constantly, and have been using it for the past six years, buying it from your state agent in large quantities. We have tried all kinds of powder, liquid and other insecticides and state unhesitatingly that we would rather have one pound of D. to L. than five pounds of other preparations at same money. E. S. Broddus, Manager,
The Central Georgia Poultry & Pet Stock Yards.

YOU CANNOT

make a mistake and order too much Death to Lice. If not satisfactory or does not sell we buy it back at any time. You cannot do a better thing than to stock these remedies in full. You cannot fail to make a good profit on the venture. You cannot lose money. You cannot find a more liberal inducement than what I offer. You cannot learn all the good purposes for Death to Lice until you have tried it.

YOU CANNOT

spend a cent to better advantage than to buy a postal card and send me your address for "Pocket Book Pointers." You cannot fail to find something in them to interest and instruct you. Remember we make a "Powder" for body lice on fowls and large chickens. An "Ointment" for head lice on children or chickens. "Special" for dissolving in kerosene as a liquid louse killer, or paint. Samples 10c each, all three for 25c.

D. J. LAMBERT,
Box 308. Apponaug, R. I.

The Central Illinois Poultry Association will hold their third annual exhibit at Jacksonville, Ill., December 11-16, 1899. D. T. Heimlich, judge, and C. W. Reynolds, secretary. Cash premiums and careful treatment of birds sent are what they promise and fulfill with all those who exhibit or attend their shows.

The renewal of advertising contracts and subscriptions already received indicate a remarkably good state of business. We look for a larger trade the coming season than was ever known.

Patrons and friends, we thank you every one for the cordial spirit shown THE JOURNAL. If we can aid you in any way don't hesitate to let the fact be manifest.

The Fredonia, N. Y., show is being actively pushed by the secretary, P. R. Bartram, who is now prepared to send out lists. The date is December 11 to 15.

YOUNG STOCK at Reasonable Prices

B. P. Rocks, B. Langshans and Light Brahmas.

Mention this journal. Address **E. B. MORGAN & SON, LODA, ILL.**

BUFF ROCKS

ONLY. Write if in need of cks. or pullets. I have some grand young stock for sale. Early hatched, from as good blood as you can find. Full description of stock by asking. As represented. Your money back if not, **B. J. LUCUS, 1002 Robinson st., Danville, Ill.**

THE LIFE OF THE INCUBATOR CHICK depends upon the care given it after leaving the incubator and your profits in poultry raising are increased by using the **$5 WABASH BROODER.** It is simple in construction, built on honor, and will rear to healthy maturity a greater proportion of chicks than any other brooder made. Zero weather, a snow storm, or rainy weather will not interfere with the healthy growth of your chicks if you use a Wabash Brooder. Mention A. P. J. and get two dozen leg bands free with every order. **C. C. FLEGEL,** Westville, Ind.

BUFF ORPINGTON'S welcomed to America.

England's most popular fowl. Wonderful egg producer. Madison Square, N. Y., 1st pen, 3rd and 4th pullets. Boston, 1st cockerel, 1st pullet. Mt. Gretna, Pa., 1st cock, 1st hen, 1st cockerel, 1st pullet. Catalogue tell the others. Eggs from imported stock, $3.00 per 13, $6.00 per 30. White Wyandottes and Buff Rocks $1.50 per 15, $3.00 per 30. Stock for sale. Satisfaction guaranteed. Circular free. **C. E. VASS, Washington, N. J.**

BARRED PLYMOUTH ROCKS.

CHICAGO WINNERS. More prizes than any Barred Rock exhibitor, except one. Have won for years at the leading Western shows. Selected exhibition and breeding stock for sale, at prices that will surprise you. Describe what you want. Free circular and show record.

H. TIBBETTS, Neponset, Ill.

SALE BUFF ROCKS.

Now "Old Glory" proudly waves o'er Porto Rico;
The Phillipines are ours! Cuba is free!
Vast armies must be paid, and you meet the taxes laid,
By breeding Burdick's Nuggets, "don't you see?"

They are the winners at all large shows, Chicago, '99, included. I offer my this season's breeders—125 yearling hens; 30 cocks; 500 youngsters; show birds to win with. Prices right. Treatment square. I do not exhibit; my customers do and win. Write

H. S. BURDICK, Rome, N. Y.

. . The Finest Quality in . .

PLYMOUTH ROCKS—Barred—White, and—Buff—and WHITE WYANDOTTES

WINNERS AT AMERICA'S LEADING SHOWS.

The finest exhibition and breeding birds at fair prices.

H. A. NOURSE, Box 607, Barre, Mass.

BUY THRIFTY, FARM RAISED STOCK.

Bred From Prize Winners.

The kind that are sure to bring success. Mammoth Bronze and White Holland Turkeys, Brahmas, Cochins, Plymouth Rocks, Wyandottes, Leghorns, Langshans Polish, Minorcas, Spanish, Hamburgs, Geese and Ducks. Choice lot of young stock for sale at a bargain. Write to-day. Satisfaction or no sale.

J. W. MARKS & CO., Box 30, Huntley. Ill

Arnold's Buff Leghorns

Are in the Lead as Ever.

At the great Hagerstown Fair, where there was this season the finest display of Buff Leghorns seen in the East for several years, in competition with noted winners of last year we won **1st, 2d and 3d COCK; 1st HEN; 2d, 3d, 4th and 5th COCKEREL- 1st, 2d and 3d PULLET.** (No pens shown.) Never before did we raise so many fine young birds. We are especially strong in cockerels. Order one and improve your stock.

Arnold's Buff Plymouth Rocks

with the noted cocks, **"ROME," "ROMAN CHIEF,"** and **"ROMAN EMPEROR,"** in our yards, and many chicks from the yards headed by these remarkable breeding birds, and having bred the "Nugget" strain of Buff Plymouth Rocks for two years, paying out a small fortune for stock and eggs of the best possible matings, we do not hesitate to say *we have to-day as fine an average flock of Buff Rocks as can be found in America.* We have cocks, hens, cockerels and pullets for sale. Buy now. We shall treat you right.

AUG. D. ARNOLD, Box 77 C., Dillsburg, Pa.

ONLY SIX Dollars

For a new up-to-date 50-egg **PRAIRIE STATE INCUBATOR** or **TEN DOLLARS** for a 1900 100-egg Prairie State Incubator, with patent turning-tray. These prices include Thermometer, Egg-tester and complete Instructions for running. New 128-page catalogue, illustrated with 250 cuts and 60 fine lithographs, for 8 cents in stamps to cover postage. Book costs us 40 cents to print.

SOLE WESTERN AGENTS.

F. S. BURCH & CO., 178 Michigan st., Chicago, Ill.

WINTER EGGS.

We are often prone to lay to "the perversity of nature" things which are largely our own fault. We often complain of bad luck, or calmly accept it without complaining, feeling that we must take "the inevitable," when the truth is, if we looked about us a little, we might very easily remedy that which troubles us. It often seems to be a hard provision of nature that our hens should lay plentifully in the summer, when eggs bring 10 cents a dozen, and go back on us completely in the winter, when eggs are worth from 25 to 50 cents a dozen. But the truth is that it is the fault of neither nature nor the hens. The whole trouble is that we do not get our hens into the proper condition to lay eggs. We are not fair to the hen.

When we send a man to do a piece of work we are usually careful to select a man who is in a working condition, and not a man who ought to be in the hospital. But somehow or other we never seem to think about that with our hens. Anything that wears feathers and goes on two legs seems good enough to us to lay eggs, no matter what its condition. Here is where we make mistake No. 1.

Then when we send a man to do a piece of work we are apt to see that he has the tools to work with. We are not like Pharoah in demanding bricks without straw.

But how about our hens Do we not demand eggs without proper food? We do that very thing, over and over again.

If there is one fact established in henology it is, that the fondness of fowls for bugs and worms is not an unnatural taste. The animal matter thus secured supplies a most important element in the fowl's food. And it is largely because the hens cannot procure this food in winter, that they cease to lay eggs.

Another reason for few eggs in winter is that the hens are not only not in the best physical condition, but the food they get does not contain the proper elements for egg making, and as has been hinted a hen cannot make bricks without straw. Food containing the necessary elements must be supplied if we are to have full egg baskets.

It is for this reason that the feeding of green cut bones has become so popular among money-making men and women. Green cut bone supplies this needed element as does no other food, and at a less expense than grain can be fed. It keeps the fowls healthy, it makes eggs, and is, in short, an indispensable food. No person who keeps fowls, be they few or many, can afford to be without a green bone cutter.

L. A. WORTHINGTON.

The *Oregon Poultry Journal* is confident that George W. Downs, of Portland, Ore., is "the coming man" as a judge of poultry in the Pacific region. The state association has designated the *Oregon Journal* as its official organ. Poultry affairs in the extreme northwest are moving most progressively.

Western Garden and Poultry Journal takes a rather unfair advantage of some of its contemporaries by giving a portrait of the editor's daughter as a cover illustration. Mr. De Puy should bear in mind the fact that not all of his brothers of the quill are the happy fathers of pretty little girls.

B. G. Smith, Elmira, N. Y., Rose and Single-comb White Leghorns and White Wyandottes.

1884 **SKINNER'S PARTRIDGE COCHINS.** 1899

Great prize winners and greatest layers in the world, because they lay most of their eggs in the fall and winter. Choice breeding and exhibition stock for sale. Also breed Barred Plymouth Rocks, Light Brahmas, Buff Cochins, White Cochin Bantams and Bronze Turkeys.

Sharpest Grit, 50c for 150 lbs.; 500 lbs. $1. Send for samples. One of the finest catalogues published, for stamp.

O. E. SKINNER, Columbus, Kans.

Just now a great many breeders are interested in the problem of getting the right sort of profit out of their season's work. They are convinced that they have the right sort of birds, but the question is how to make other people aware of that fact. Exactly here AMERICAN POULTRY JOURNAL steps in. The oldest, and surely in all modesty we can say one of the most progressive publications of its special class, THE JOURNAL is the friend to introduce the buyer and seller. This pleasant duty brings the man who wants to sell something nice face to face with the man who wants to buy something nice.

This is only one phase of the work by THE JOURNAL, of course, but it is an important one, because the good birds that are raised must be sold to interested persons in order to keep the thoroughbred poultry industry alive. But our chief personal delight is in talking about poultry with our subscribers—the great army who constitute the poultry fraternity.

The *Poultry Monthly* contains this vague allusion to a disreputable line of conduct: "We had hoped that this show season the borrowing of birds would not be continued. But we are disappointed. If the effect of this practice was confined to the immediate participants in the deal no great harm might result, but it does not. The borrower, in entering such birds not only breaks a rule of the show, but acts a falsehood by so doing. Besides, it gives several persons the chance to advertise the winnings and stock and eggs from the same birds, which only one can do honestly. What are the poor laymen going to do when the parsons borrow birds for a show and show them as their own?" This is not the way to correct an evil. If the "parsons" are doing such a dishonest thing, their names should be made public. Reforms are never worked by indirection. To whom does our esteemed contemporary allude?

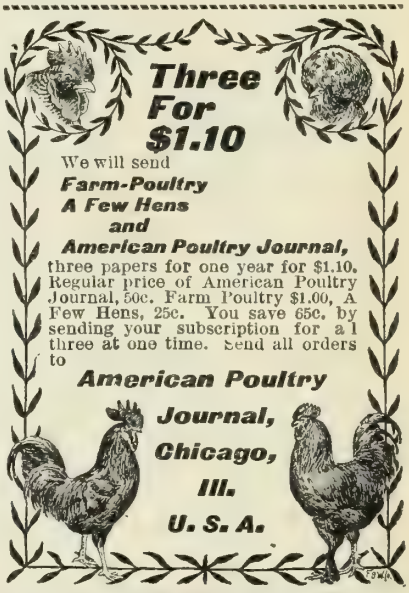
English fanciers appear to be suffering just now from an excessive amount of faking and unfairness by exhibiters at the numerous shows. We gather this impression from the tone of our English contemporaries, both editorial and correspondent. There is a great deal of complaint of the doctoring and borrowing of birds, and even of the partiality of judges. England differs from America in about as many ways as the human mind can conceive of, and therefore we rejoice that the cause of such complaints is not contagious. No one ever complains of faking or borrowing in this country (?).

"The complaint is often made that the advice given by different writers for the poultry press is so contradictory that it confuses rather than aids the beginner in poultry raising. There is a basis of truth in the complaint," remarks the *Ohio Poultry Journal*, "but this admission would be unjust to the writers and to the poultry press if unaccompanied by an explanation. Poultry breeding is not an exact science, like mathematics. That is to say, a formula cannot be prescribed for poultry breeding that will work out in all respects according to rule, like a mathematical problem. There are certain laws governing breeding on which all experienced breeders agree, and a disregard of which inevitably results in failure and disappointment. These laws are what may be termed the essentials. But there is another class of matters—feeding for example—about which the experience of breeders differs. They are affected by circumstances and conditions, which are not always known even to the persons who have to deal with them. These are things about which advice is contradictory. They all have a relative importance, but for the most part they may be classed as non-essentials. In time, as knowledge progresses, they will become settled, and no longer subjects of controversy. Meanwhile the proper course for the beginner to pursue is to carefully follow those rules which have come to be generally accepted as laws, and to rely upon his own judgment for guidance in those matters about which the wisest and most successful breeders disagree."

"Keep thy poultry house, and thy poultry house will keep thee." Poor Richard amended to fit our line of trade.

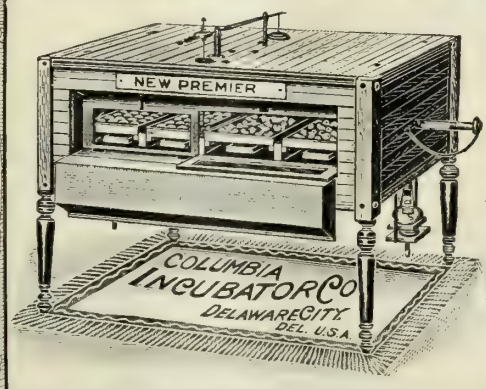
B. G. Smith, Elmira, N. Y., White Wyandottes, White Leghorns—Rose and Single-comb.

B. G. SMITH, Elmira, N. Y., White Leghorns, White Wyandottes.



INCUBATOR ON TRIAL. NOT ONE CENT UNTIL TRIED

COLD WEATHER PROOF



OUR NEW PREMIER INCUBATOR **ON TRIAL.**

Merits { A child can run it. AUTOMATIC.
Five minutes' attention a day will run it.
Ten cents worth of oil will make a hatch.
No expensive buildings needed for it.
Can be run under a shed, attic roof or anywhere out of rain and wind.

Diplomas and Medals { World's Fair Chicago, - - 1893
Toronto Exposition, Canada, 1894
Tennessee Centennial, - - 1897
Trans-Mississippi Exposition, 1898

Any responsible person can get our machine on trial, and send the money after trial. Get it, put it in competition with any other machine made. Descriptive catalogue, mailed for 5c.

SET OF PLANS FOR POULTRY HOUSES, 25c.

We are also exclusive manufacturers of the

COLUMBIA AND SIMPLICITY INCUBATOR.

ACTUALLY FIRE PROOF

COLUMBIA INCUBATOR CO., 2 ADAMS ST., DELAWARE CITY, DEL.

White Plymouth Rocks that Win.

They are starting out in their usual way this season, winning 2d cock, 1st and 2d hen, 1st cockerel 1st and 2d pullet, 1st pen at **GREAT INDIANA STATE FAIR, 1899.** This with 10 birds in a class of 126, with one competitor who advertises "The best in the world." Send for circular.

R. M. GARD, Frankfort, Ind.

Lincoln Park Poultry Yards,

GORDON L. REILLY, Proprietor.

WHITE PLYMOUTH ROCKS.

I have choice breeding stock, young and old, for sale with score cards. Egg Orders booked now. Write for prices and description. Address

GORDON L. REILLY, 28 Jackson st., Danville, Ill.

Exhibition Barred P. Rocks, Exclusively.

Bred in line, for 20 years. 56 regular prizes won last year, at five shows, in the strongest competition. 26 firsts. Can sell you line-bred stock, that will not disappoint you. 8 page circular free. Send for it.

W. B. GIBSON & SONS,

West Alexander, Pa.

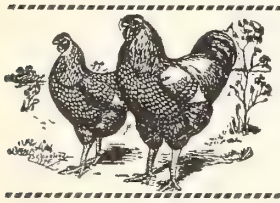
Buff Leghorn Eggs

from pens headed by cockerel 92⅝ and females from 91¾ to 92¾ . . . . . .

SOLID BUFF, no white or black in plumage.

All Customers Satisfied and $2 for 15 Good Hatch Guaranteed.

WILLIAM RUDI, - - - - - Bourbon, Indiana.



Doolittle's Wyandottes

Golden, Buff and Partridge.

Winners at Chicago, Washington, D. C., Davenport, Iowa, The great Mid-continental, Kansas and Nebraska state shows. Stock and eggs for sale. Eggs $1 for 13. Send stamp for catalogue to

W. A. DOOLITTLE, Box 399, Sabetha, Kans.

Keyser's Blue Andalusians

Are the leading strain in America. Winning highest honors in America's greatest shows, Madison Square Garden, N. Y., and Boston, 1898-99.

Large Stock of Fine Exhibition Birds in both Old and Young For Sale Cheap.

Runt Pigeons for sale.

A. C. KEYSER, Box 50, Lower Providence, Pa.

BUY THRIFTY, FARM BRED STOCK.

The kind that will bring you success.

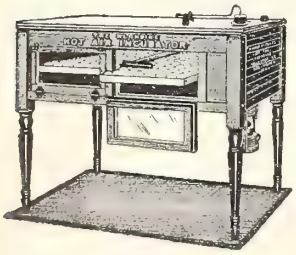
Our Prize-winning Rose Comb Brown Leghorns Have Frost Proof Combs.

Stock for sale. Prices r'ght. Satisfaction or money back.

FERRIS & ZINK, Proprs. Oak Leaf Stock Farm, New Albany, Ind.

Charles M. Zink, Secy-Treas. American R. C. Brown Leghorn Club.

Before Purchasing an Incubator



THE KLONDIKE INCUBATOR COMPANY confidently asks the student of artificial incubation to remember that The Klondike is the latest and most scientific incubator made in the U. S. By scientific we mean that every mechanical and physical effect of our machine is in exact accord with the natural laws which accomplish like results. We demonstrate this in our catalogue. Our incubator demonstrates this in actual work.

Our Klondike Brooder

is also new in principle. It is a reformer. A broiler maker. A life preserver. We are out for conquest and challenge all competitors to a comparison of points.

Catalogue Free for the Asking.

Address—

Klondike Incubator Co., Box F, Des Moines, Ia.

W. S. Russell, the well known judge, writes for the *Western Poultry Journal* the following opinion concerning the "serious faults of Buff Rocks in the show room," as he sees them: "Out of twelve poultry shows and nine county fair exhibits, I found only two fairs without a Buff Rock. Where I found one to five coops the previous season, last season there were aisles of coops containing specimens of this noble and beautiful variety of the Plymouth Rock family. The most serious fault that I find in the show room with the Buff Rock is the large combs. There are more twisted and uneven combs in the Buffs than in either the Barred or White. Feathers and stubs on the shanks, 'fuzz' between the toes, is no uncommon thing to find on some of our best colored birds. This we may expect for a few years, or until such a time as some of our most noted breeders cease breeding 'scanty' feathered Buff Cochins with their Rocks in order to give them color and size. There are quite a number of fine specimens showing white in the ear lobes, but no more in proportion than in White Rocks. I fully expect to see within a very few years Buff Plymouth Rocks with clear 'buff' wings and tails. That's all right. You may have them, but as I said at the beginning, you must show me."

The *Poultry West* gives this story as "one sent from Texas," without naming the town: "Ex-County Attorney Maxey lives on South Crockett street, and last summer little chicks barely free from the shell began pouring out of his grain house drain pipe and the only explanation inasmuch as no hen could have made her entrance therein was that eggs accidentally left in the grain had hatched from the heat." That is a tale that might be termed a "pipe dream." But the same excellent authority gravely says that another lawyer in the very selfsame Texas town asserts that he saw a flock of chicks which were hatched by the sun, in an open nest that had been deserted by the hen. Texas is popularly regarded as a pretty hot region—near somewhere; but it is evidently the abode of veracious lawyers, and is trying to break up the incubator trade.

The poultry business cannot be overdone. There is a market for all the poultry, of the right kind, that can possibly be raised. The statement is made not as a startling bit of newly discovered truth, but as a fundamental truth—called out by an anxious inquirer, who fears that he may simply flood the earth with chickens if he starts in the work.

THE JOURNAL is, first of all, for the reader. That makes it so highly prized by the advertiser. So we say to the men and women who find they have some extra stock of the true sort on hand: Advertise it in THE JOURNAL. Take as much or as little space as you wish—but you can rest assured that the start thus made will lead you right along the road to success. Don't squander good materials. Use the best mediums and live up to your opportunities.

USE THE UNIVERSAL HATCHER AND BROODER.

Why loose time and money with any other. We devote our time exclusively to the manufacture of the Universal Hatcher and Brooder. We are not interested in the manufacture of any farm implements or other machines, and with our long time experience with incubators, both hot water and hot air, enables us to put on the market the simplest, strongest and most durable. You can make money using our machines. Write for full description and prices; the price will interest you.

THE E. W. ANDREWS INCUBATOR CO., 209-211 Railroad ave., Elmira, N. Y.

Heavily Feathered Buff Cochins!

.....Of the correct shape. 25 Cockerels with.....

CLEAR BUFF WINGS These birds will make a record in the show room this winter for customers who secure them.

I BUILD EXHIBITION COOPS AND PREPAY THE FREIGHT.

Circular Free. ***H. N. HANCHETT, Jackson, Mich.***

BUFF COCHIN BANTAMS

My birds have won four-fifths of all the prizes competed for.

DO YOU NEED A WINNER.

I CAN FIT YOU OUT TO WIN. Last winter my stock scored as high as 95 in competition under Butterfield & Bridge For good buffs. Write

FREDERICK WILLIS, South Bend, Ind.

Hughes' Black Langshans

HAVE STOOD AT THE HEAD FOR TWENTY YEARS.

THERE ARE NONE BETTER.

For O. K. stock from the O. K Poultry Yards, write to Box 20.

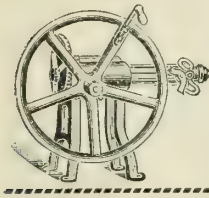
THEY HAVE WON FOR OTHERS THEY WILL WIN FOR YOU.

WM. M. HUGHES, S. Portsmouth, R. I.

White Wyandottes? YES JUST A FEW GOOD BREEDERS LEFT.

You Bet, and extra fine ones too. Don't be afraid to write for prices. ***Buff Cochin Bantams?***

G. C. FLEGEL & SON, Westville, Ind.



No. 9. Price $8.80. For Hand Use.

Our experience of years has enabled us to produce the best bone cutters on the market for the purpose. The principle employed is similar in all our bone cutters—horizontal cylinders, knives in cutter head always in sight, and the only practical automatic feed on the market. We manufacture nine different sizes for hand and power, ranging in price from $6.75 to $29.50. Sent on trial. Send for catalogue.

Standard Green Bone and Vegetable Cutter Co.,

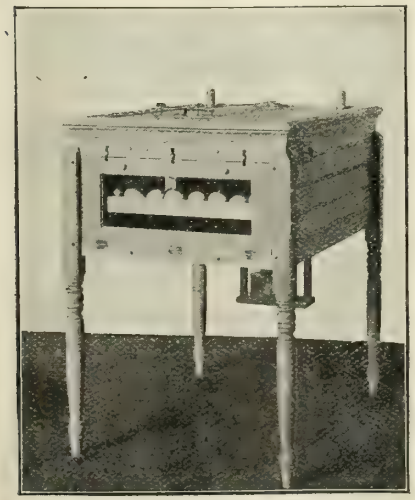
Milford, Mass., U. S. A.

LIGHT BRAHMAS

—THE GEMS OF THE WEST—

Some nice yearling cocks and hens for sale at living prices. Young stock, to ship about Dec. 1st. My stock are always prize winners in the strongest competition. Catalogue tells about it.

ALFRED DOYLE, Box 41, Morgan Park, Ill.



A Bright Idea

The New Prairie State Incubator.

New Patent Machine.
New Patent Regulator.
New Patent Egg Turner &c.

Used exclusively by the largest Poultry Breeders in the World.

310-FIRST PREMIUMS-310

SEND FOR CATALOGUE.

Prairie State Incubator Co.,

HOMER CITY, PA.

Rose-comb Brown Leghorns Exclusively.

Cockerels for sale from Chicago winners, $1 and $2 each.

C. J. LANCASTER, Maywood, Cook Co., Ill.

SOME EXTRA FINE **BARRED PLYMOUTH ROCK** stock for sale. Satisfaction or money back. Some of the most promising youngsters I ever raised.

E. F. PEIRCE,
Care Rural Delivery. Port Clinton, Ohio.

My Cornish Indians

were again on top at the Ohio State Fair this fall. Plenty of good stock for sale, both old and young.

F. D. BENNETT, Galena, Ohio.

EASY TO OPERATE.

Any boy or girl can be successful with

THE MONITOR INCUBATOR.

Automatic regulator. It makes strong and healthy chicks. We pay freight. 100 egg Old Hen Inch. and Brooder $10. Catalogue Free.

The Monitor Co. Box 35 Moodus, Conn.

Another Bargain!

For 30 days I will send a box of Eaton's Poultry Pills for 10c, regular price 20c. This is to more thoroughly introduce them. Send for Vest Pocket Edition "Why Keep Poultry." Free. I am now booking Buff Leghorn egg orders.

W. H. EATON,
West End Poultry Yards. Jackson, Mich.

Welch's S-c. B. Leghorns.

Prize Winners Wherever Shown.

Celebrated Brace and Walling Strain.

Have bred them 7 years. None better. *Chicago Winner*, cockerel in 1898 to head my yards mated to pullets scoring not less than 93. As a cock he won 1st prize at Cent. Mich. show 1898, score 93½. Breeding stock for sale at reasonable prices. *Eggs $2 per sitting from pen No. 1; 2 for $3.50; 3 for $4.50.* From other pens, *$1.50 per sitting; 3 for $3.50. Satisfaction guaranteed.*

J. C. WELCH, WEBBCITY, MO.

REMEMBER that Spring Run Poultry Yards of Dr. W. A. Crum & L. A. Logsdon, Carey, O., have as fine lot of young chicks and geese in W. & Buff P. Rocks, W., S. & Buff Wyandottes and T. & E. geese as can be found in U. S. All bred from their famous winners, ready for shipment any time. 150 yearling breeders at $1 per head. Send for catalogue, mention A.P.J.

PEKIN DUCKS

Will sell all my large Dux, at a sacrafice; to make room for my White P. Rox and Belgian Hares, 3 fine pens (4 Dux, 1 drake) Breeders at $6.00 per pen, others 75c and $1 00 each.

GEO. OWEN,
Box 32. WRAY, COLO.

Fancy Pigeons

Buff Cochins & S. S. Hamburgs.

F. B. F. RHODES,

AMERICAN S. & R. CO.

SOUTH CHICAGO. ILL.

—MY—

CORNISH INDIANS

...Won more first prizes at...

New York, Boston, Elmira, Hagerstown, St. Louis, Mt. Gretna, Washington, West Chester, etc.

THAN FOR ANY OTHER

BREEDER OR EXHIBITOR.

All my 1899 Breeders for sale.

BUFF LEGHORNS

Quality unequalled in Cocks, Cockerels, or Pullets. List free.

Box 70. GEO. W. KINZER, New Holland Pa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

DURYEA'S PULLET.

The accompanying illustration presents a view of the wing of a Montauk strain of Barred Plymouth Rock pullet, bred by R. W. Duryea, Great River, L. I., N. Y. At the time of taking the photograph the bird was eleven weeks old. The desire was to show the wing as much as possible. Since then the bird has developed into a very fine specimen in all sections—large, grand shape, and wings all that could be wished for. The weight is already about 7 pounds. Mr. Duryea's fowls are commanding attention and approval generally.

The ethical problem of selling stock, or eggs from stock, that is known to be diseased should not require much discussion. Dr. Sanborn touches on this point at the close of his article. Instead of the word "dispose," in alluding to diseased birds, of course the Doctor means to effectually destroy, not sell them to others. The old story of the girl who thought her fingerrings were dragging her down to perdition and therefore gave them to her sister, applies right here. What the world needs is more unselfishness and honesty—a little of that Golden Rule.

Observe what Dr. Sanborn says, in his interesting paper on the nature and cure of disease in fowls, under the heading "Pneumonia:" "One-tenth the time and fret of dosing sick birds would prevent nearly all the ailments that are seen in a poultry yard." Care means prevention—and that means health, in birds and man. Avoid the need of "remedies," by being in condition not to think of them.
publication.

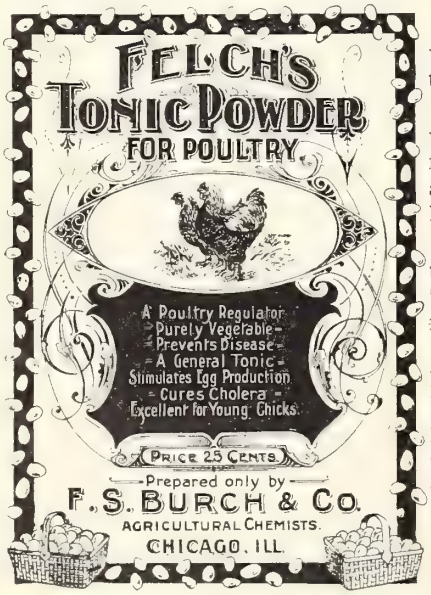
The National Fanciers' Association of Chicago is commanding favorable attention throughout the country by the practical papers read at its monthly sessions. These are prepared by members and given as a feature of instructive diversion.

Those wishing premium lists of the Logan County Poultry show, to be held December 12-16, at Lincoln, Ill., will please send their names and addresses to H. C. Alexander, secretary, box 87, Lincoln, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

FELCH'S TONIC POWDER FOR POULTRY.

WILL KEEP FOWLS STRONG AND HEALTHY.



If properly fed it will make your pullets lay early. Worth its weight in gold during the moulting season. Prevents nine-tenths of the more common ailments in fowls.

No matter what kind of food you give your laying hens, mix with it daily FELCH'S TONIC POWDER. It will stimulate them into renewed vigor and activity. It is a powerful food digestive, and assures perfect assimilation of the food elements needed to produce health and firm eggs.

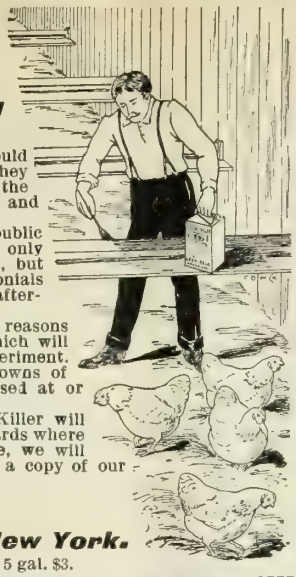
The only sure way to make hens pay is to keep them in condition to lay when eggs are high in price. A teaspoonful of FELCH'S TONIC POWDER, mixed with the daily mash, will accomplish the result—no guess work about it. Try it and be convinced.

For curing and preventing Anæmia, Vertigo, Atrophy of the Liver, White Comb, Cholera, Cramps, Leg Weakness, Diarrhœa, Debility, Enteritis, or Indigestion. Nothing on earth will answer the purpose so well as FELCH'S TONIC POWDER, and no other medicine or tonic is anywhere near as cheap in price. Large, 20-ounce packages sell at 25 cents each, $2.50 per dozen. AGENTS WANTED.

F. S. BURCH & CO.,

178 Michigan st., Chicago, Ill.

About Lee's Lice Killer.



I have often thought, "if all of the users of Lee's Lice Killer could be marshalled together what an army they would make." They spread from Maine to California, and while more numerous in the central west, yet they are sufficiently in evidence in California and New England to require full car-loads to supply the demand.

It is sometimes amusing to read of some new aspirant for public favor, claiming to be the "only original," etc., or another the only guaranteed." Stick to the truth, boys. There is room for all, but to succeed you must have a good article and not use testimonials secured by selling Lee's Lice Killer under your own label, afterwards supplying a cheaper article.

I solicit the custom of poultry and swine breeders for two reasons only. First, because Lee's Lice Killer is a good article, one which will do everything claimed for it and about which there is no experiment. Second, it is the most easily obtained. It is on sale in most towns of importance and in ever State in the Union. It may be purchased at or near home.

I desire an opportunity of proving to you that Lee's Lice Killer will kill lice and mites on the fowls by simply painting it on the boards where the fowls roost at night. If you will address our Omaha office, we will send a sample by mail and without charge. We will also send a copy of our book on Insects and diseases of poultry, 64 pages, free.

GEO. H. LEE,

Omaha, Neb., or 68 Murray st., New York.

Price of Lee's Lice Killer: 1 qt. 30c, 2 qt. 50c, 4 qt. 75c, 5 gal. $3.

A HORRIBLE MISTAKE

Can be made in the selection of a male to head your breeding pen. The male is one half the flock and a bird of unknown breeding may destroy the work of years. By winning year after year in hot competition my BARRED ROCKS and BROWN LEGHORNS have established a record second to none. Can supply anything from a good breeder to the finest show specimen.

A Surplus of Cockerels at Snap Prices.

Can furnish old customers, birds not related. Say exactly what you want.

C. A. DAMON, 2470 Monroe St., CHICAGO.

1500 Wyandottes For Sale 1500

in Golden Laced, Buff Laced and Whites.

We have by far the finest lot of birds we ever offered. All bred from our New York and Chicago winners. They have won thousands of prizes for the past 14 years at the leading shows of the world. They have won over a hundred prizes for us at Madison Square Garden, New York. Also 37 prizes at Chicago last winter, including 19 firsts. Choice exhibition and breeding birds, all line bred, in any number, of the finest, at reasonable prices. Also America's finest Golden and Silver Sebright Bantams, imported show Belgian Hares of the correct shape and color. Fine large circular for stamp. **IRA C. KELLER, Box 75, Prospect, Ohio.**

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STANDARD POULTRY GRIT OF AMERICA.

THE PERFECTION SHELL MAKER AND GOLDEN YOLK PRODUCER.

White Quartz, 58 p. ct. DIGESTER. **Aluminum, 20 p. ct.** SHELL MAKER. **Iron, 12 p. ct.** YOLK MAKER. **Magnesium, 10 p. ct.** SHELL MAKER.

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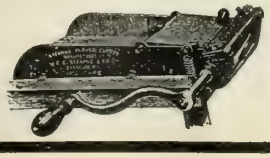
is one that cuts bone fast and fine enough for young chicks, runs easily, cuts meat and vegetables without clogging, and stands wear and tear without breaking. All of these virtues (and more, too), are contained in the WEBSTER & HANNUM **GREEN BONE CUTTER.**

Bone costs little, and when prepared by the W. & H. Cutter makes the cheapest food, as well as the best.

Stearns Clover Cutters and Grit Crushers are a necessity in every poultry yard.

Send your address for treatise on poultry feeding and catalogue of bone cutters, clover cutters and grit crushers—they are *free*, but may save you half your feed bill.



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The winning Barred Rocks in the shows the coming winter must, of necessity, be specimens of exceptional merit. Competition in Rocks is becoming stronger each year. You can win if you secure some of **BRYSON'S BIRDS.** They are bred to win—have been winning for several years. Grand breeding specimens on demand.

B. R. BRYSON, Iowa Falls, Iowa.

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EXCLUSIVELY.

For First-class Young Stock

Address

CHAS. GREENWAY, Le Mars, Iowa.

Barred Plymouth Rocks,

of Montauk Strain.

Beauties in both cockerels and pullets. Show birds a specialty. Prices reasonable, which will be made on application. Address

R. W. DURYEA,
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HAWKINS Barred Plymouth Rocks / White Wyandottes.

Choice cockerels and pullets—the result of 16 years experience in mating—for sale. Among these birds will be many winners at the coming shows. Careful attention given to mating trios and breeding pens. As I am somewhat crowded for winter quarters will make extra low prices on stock for the next 30 days. For further information and prices address

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Mow's Buff Rocks

Again show their quality by winning more prizes than all other exhibitors combined at Indiana State Fair, Sept. 18th. 2d cock, 1st cockerel, 1st hen, 1st, 2d pullet, 1st pen. In one of the largest and finest classes ever gotten together in the West. Old and young stock for sale. Write

F. E. MOW, Union Mills, Ind.

Penciling

on our Partridge Cochin pullets this fall is something wonderful, together with their grand feathering make them winners. Write for description and price of stock if you want the best.

GEO. B. GOTT, Ionia, Mich.

Uneeda Rooster?

or a Pullet, or a Hen?

Don't make a mistake, but buy where you can buy the best. Look up my record.

Record at State Poultry Exhibit, Jackson, 1896

1st on	B. P. Rock Cockerel,	Score	94.	
1st on	"	Hen	"	93.
1st on	"	Brdg. Pen,	"	186¼
3d on	"	Pullet	"	93

Detroit, 1897—Silver tea set for best 10 Rocks.
Detroit, 1899—1st on B. P. Rock ckl., score 93.
Also silver cup in B. P. Rock Club.

I also breed S. C. Brown and Buff Leghorns, Indian Games **Best Strains**

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Eggs $2 per sitting. C. W. MANSFIELD, Prop.

COCKERELS---to "Beat the Band,"

In both Barred and White

ROCKS.

Are you in need of an exhibition cockerel, pullet or pen? If so, we can furnish you anything you may want.

Satisfaction Guaranteed or Money Refunded.

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WHITE WYANDOTTES,

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STOCK FOR SALE.

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You can't read everything in print. But you can read

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By EDWIN W. FLY, Manager Clear View Farm, Chalfont, Pa. Send me 25 cents and I will send you the book postpaid.

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OF A FIRST-CLASS

Barred Rock

cockerel? If so, write us. We have some of the **BEST** breeders we have ever raised, and prices are very low.

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That Will Give Returns
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Single Comb Black.... **MINORCAS.**

Breeding Stock For Sale.

Cockerels $2 and $3 each; pullets $1 and $2 each.

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Granulated Blood,

deodorized. The best meat food for poultry. 50-lb. sacks only $2.00. Special to agents.

Lee's Tonic Powder,

brings the eggs when all else fails. Per pkg. 25 cts., postpaid 35 cts., 25-lb. box $3.00.

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SILVER, GOLDEN, WHITE.

G. S. & S. S. BANTAMS.

Winners at the leading shows in the country during 1898 and 1899, including **ST. LOUIS, SPRINGFIELD, INDIANAPOLIS, LOUISVILLE** and 14 other hot shows this season and last. Just closed our season with the fall fairs, winning the *lion's share* at them all.

236 Premiums During '98-'99, 236

on Wyandottes and Sebright Bantams, a record unequalled by any Wyandotte breeder in this country. *We have the best lot of young stock we ever raised. If you want good ones we have them.*

700 EXHIBITION and BREEDING BIRDS 700

FOR SALE.

Also 50 fine Pekin Ducks, to close them out. Sendfor illustrated circular—free.

REEVES & JONES, Clifford, Ind.

Shipped on Approval.

550 head of Buff Leghorns and Buff Cochins, from such birds as 1st, 95, pullet at Chicago, 1st ckl. at Columbus and 2d cock at Pittsburg. Many are **SOLID BUFF.** Exhibition birds at low prices and guaranteed to please.

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10 YEARS **Davidson's Light Brahmas** **10 YEARS**

are the product of ten year's experience. Large size, Standard markings, heavy laying and prize winning qualities their characteristics. Plans for the Iowa Brood Coop $1.

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All My Black Langshans.

One cock, scored 93¾, and four hens, quality as good, for $10—a bargain for some one—and 10 fine young cockerels, fit to show in fast company.

HORMIG, the Plomouth Rock Man—Barred, Buff and White Rocks.

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Barred Plymouth Rocks.

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Owing to a change in business I must sell my **ENTIRE STOCK.** Choice **EXHIBITION** and **BREEDING** birds. Write your wants and get prices that will astonish you. Satisfaction guaranteed.

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OF CONCORD, MICH.,

Have a grand lot of youngsters for sale from their great Chicago winners.

WHITE AND BUFF PLYMOUTH ROCKS AND BLACK JAVAS.

☞ ***Send for Records.*** Mention A. P. J.

North Side Poultry Yards.

Silver and Buff Wyandottes.

Our birds are winners at the large Western shows, winning three firsts out of five on Silvers at the last Chicago show.

400 Head of Yearlings and Chicks For Sale.

150 with score cards after Nov. 7th. Also four pens of our last season's breeders. A fine illustrated catalogue upon application, stamp acceptable.

This is a good time to commence to feed Spratt's Patent Poultry Food, to get your birds in condition for the show room. Prices and book on feeding same for stamp.

A. & E. TARBOX, Yorkville, Ill.

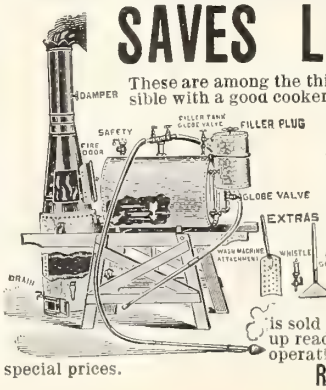
ARE YOUR HENS LAYING?

IF NOT, TRY **OVAMEAD** The Great Egg Producer.

OVAMEAD is *not* an egg food or condition powder It contains no red pepper or other heating spices; neither is it a cure-all for chicken diseases, nor does it contain ingredients to make the egg. Ovamead is simply an invigorator to the egg-making organs of the fowl, strengthening and stimulating them to action, causing the hen to lay regularly in the coldest of weather, and, what is more wonderful still, expanding the passage and making the hen lay larger eggs. Regular size, enough for 10 fowls for 3 months, 50c, postpaid. Trial size, 25c, postpaid.

OVAMEAD MANUFACTURING CO., Box 44, Rochester, N. Y.

SAVES LABOR, FEED, MONEY.



These are among the things a man expects of a feed cooker. They are only possible with a good cooker, however. That's why they result surely from using **THE IMPROVED RELIABLE FEED COOKER.** Used and endorsed by leading farmers, feeders and experiment stations.

Freeport, Ill., 9, 20, '99.

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JOHN BAUSCHER, JR.

People like the above deal only in facts. The "Reliable" is sold under a positive guarantee. The cut shows how it looks set up ready for operation. Will exhibit at all state fairs in actual operation. Be sure to see it. Write at once for circulars and special prices.

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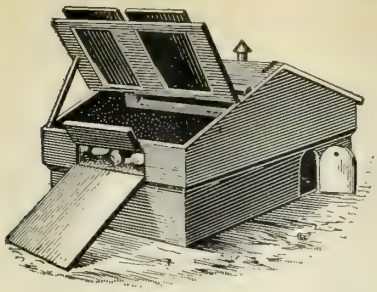

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Can be Used Inside or Outside.

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Sold on Two Weeks Trial to any Responsible Party.

125 Chick Size, $8.00; two for $15.00. 150 Chick Size, $15.00; two for $25.00.
All brooders complete with lamps and thermometers.

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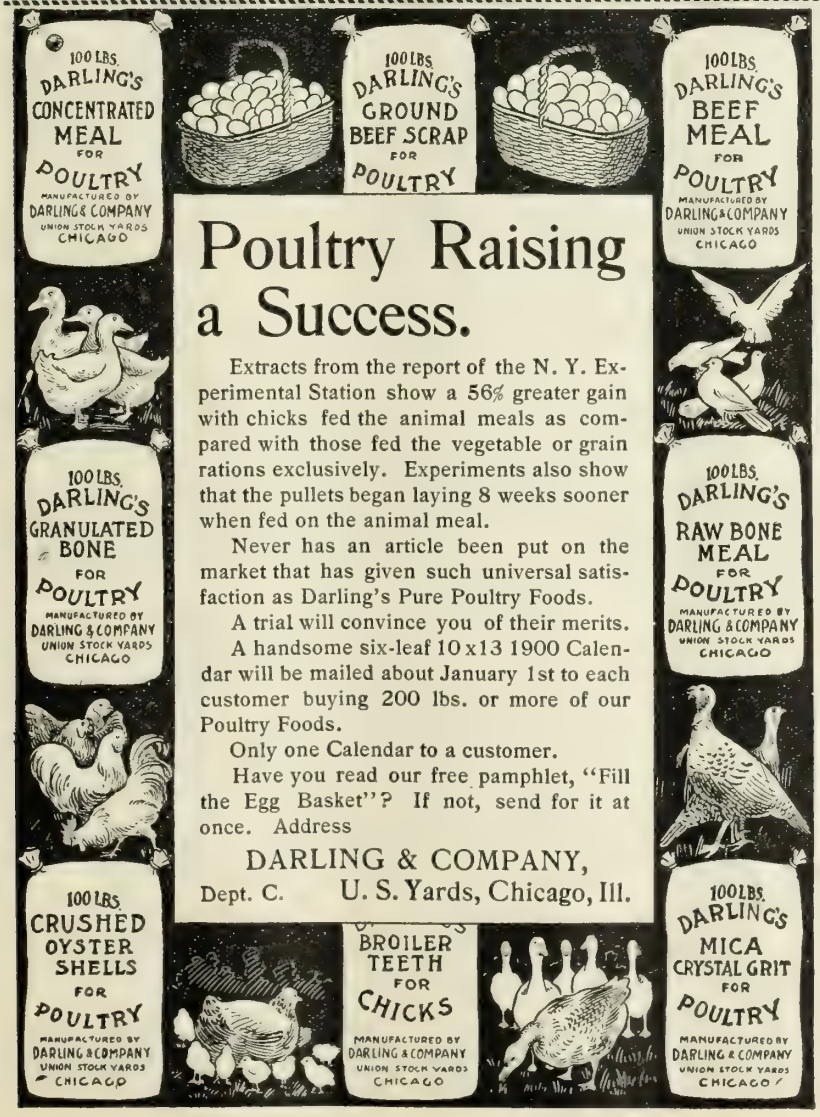

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Extracts from the report of the N. Y. Experimental Station show a 56% greater gain with chicks fed the animal meals as compared with those fed the vegetable or grain rations exclusively. Experiments also show that the pullets began laying 8 weeks sooner when fed on the animal meal.

Never has an article been put on the market that has given such universal satisfaction as Darling's Pure Poultry Foods.

A trial will convince you of their merits.

A handsome six-leaf 10x13 1900 Calendar will be mailed about January 1st to each customer buying 200 lbs. or more of our Poultry Foods.

Only one Calendar to a customer.

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DARLING & COMPANY,
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White P. Rocks,

Black Minorcas.

I have a few choice birds for sale at prices that are right.

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The Buff Rock Winners

at the Michigan State Fair were bred and owned by Dr. I. W. Houston, Marshall, Mich. In a large exhibit he took five of the eight premiums awarded, 1st and 2d ckl., 1st and 2d hen, 2d cock. Exhibition and breeding stock for sale.

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A Grand Lot of Partridge Cochins,

You must be pleased or no sale.

Grand birds from grand sires and dams. Satisfaction guaranteed. Write

Buff P. Rocks and B. B. R. Game Bantams

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for the market and fancy shipper, folding Exhibition Coops and Stock Crate. Just what you want. Send for circulars and prices.

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Poultry for Profit, Pleasure or Show.

I have them as big as they grow, all breeds, for all purposes; rare birds a specialty; Turkeys, Geese, Ducks, Guineas, Peafowls, Pheasants, Pigeons and pet stock; Flemish, Giant and Belgan Hares; Jersey Cattle, Berkshire and Yorkshire Swine, Shropshire Sheep. Satisfaction guaranteed. Prices reasonable. Eggs at all times very low. Mention JOURNAL.

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will **Make Hens Lay** and keep them in healthy condition all the year round like

BANNER EGG FOOD

and Tonic.

Thousands can testify to its excellent merits. A trial will convince you. 1 lb. can 25c, 5 cans $1.00. For the month of **November only** we will sell a **1** lb. can **15c.** or **7** cans **$1.** Now is your chance to lay in a supply of this Food, and you will have plenty of Eggs when cold weather comes. Our immense illustrated Catalogue **free.** Address

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W. V. RUSS, Proprietor.

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In appearance, and the best **GENUINE GOLD FILLED** watch in the world for the money. Double hunting case, stem wind and stem set, superbly engraved. **STANDARD AMERICAN** ruby jeweled movement absolutely guaranteed for

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Cut this out and send it to us with your name and address and we will send the watch to you by express for examination. You examine it at the express office and if as represented pay express agent our special introductory price, $5.95, and it is yours. Only one watch to each customer at this price. Mention in your letter whether you want **GENTS' OR LADIES' SIZE** and order today as we will send out samples at this reduced price for 60 days only.

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PURE BUFF WYANDOTTES, line bred and bred to win. "A large, fine bird, good in color, shape and comb," says a noted judge of our first prize cock, the foundation head of our strain. Eggs, the kind you want, $2.50 for 15. Catalogue free. H. W. Boles, Deerfield, Utica, N. Y. 3-99-1 yr

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GATH'S CORNISH INDIANS—Oxford Poultry Show; hen 1st 96, 2d 95½, 3d 95; pullet 1st 95½, 2d 94½ 3d 93; cockerel 1st 93½. All bred in my yards. Chicks from above. Harry Gath, Oxford, Ohio. 9-3

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PIT GAMES, Bull Terriers, Steel Gaffs. Stags cheap—can't get runs for all—cocks, hens and pullets. Same as I fight myself. Write me. W. P. Sloan, Knoxville, Tenn. 11-3

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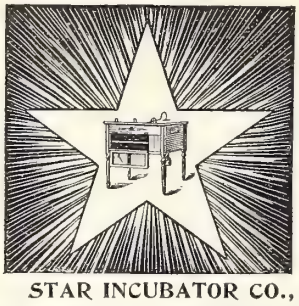

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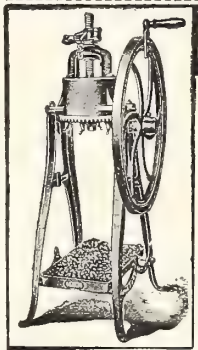

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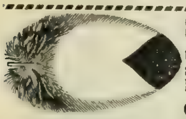

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The fourth annual meeting of this club will be held January 24, 1900, at 4 p. m., in connection with the Chicago show. We extend an invitation to all breeders of Bronze Turkeys who have not joined to become members of this club and share with us the benefits. Send $1 to the secretary and become a life member and receive your receipt and certificate. It will pay you to become a member, as there is at this writing over $75 offered in cash and specials on Bronze Turkeys at Chicago's next great show.

There is no doubt but what the Chicago show will be one of the grandest and most complete shows of the age. The officers, Messrs. Kimmey, Hogle, Brown and Damon, are leaving no stone unturned to make this a great show. Their past record is proof that they have the ability of conducting and leading a large show to success, both for the exhibiter and their association. It is pleasant to exhibit under such a management. The above association offers on Bronze Turkeys a $25 silver cup for first and $10 in gold for second best display. The National Bronze Turkey Club offers a $25 silver cup to the member showing the best male and two females. For a premium list of Chicago show address Fred L. Kimmey, secretary, Morgan Park, Ill.

The Bronze Turkey Club also offers a silver cup at the Kansas City show and one at the Kokomo, Ind., also.

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Sibley, Ill.

EGYPTIAN PREMIUM LIST.

The Egyptian Association premium list is got up in a style to justify all the commendatory words thus far said of their progressive organization. The local advertising is abundant, showing a degree of interest at home that promises well for financial success. The work being done by the president, William Plumhoff, and the secretary, A. S. Muller, both of Nashville, Ill., where the show will be held December 12-16, is sure to win public approval. The book was printed at the Nashville *Journal* office, which is evidently well equipped. The cover, in colors, is by Wagner & Sons, of Freeport, and is artistic.

One of the new poultry organizations announced in Nebraska is the Elkhorn Poultry Association. Its officers are men of experience in the business, and feeling that in union there is strength, organize as follows: President, J. C. L. Reichard, Stuart, Neb.; vice-president, F. B. Mygatt, Long Pine, Neb.; secretary, B. B. Smith, Long Pine, Neb.; treasurer, Simon Atkinson. First annual show will be held at Long Pine, December 29-30, 1899. No judge has yet been selected.

The Will County Poultry Association, Joliet, Ill., will give a poultry show from January 1-6, 1900. The catalogue of premium list will be ready about November 10. Any one wishing a list should drop a line to the secretary, Thos. B. Suplee, Jr., Joliet, Ill.

A poultry show will be held at Mazon, Grundy county, Ill., November 21-23 inst. Theo. Hewes will judge. Applications for information may be addressed to the secretary, Dr. O. P. Bennett, Mazon, Ill. There are evidences of interest that insure success.

If your chicks don't grow,
And you don't know,
Why so,
Puritan Foods will show.

If the Puritan Rooster is on the box, Puritan Chick Food is inside.

Puritan Laying Stock,

Puritan Chicks, Puritan Ducks, are all fed on Puritan Poultry Foods. Puritan record is a record to be proud of and the eggs hatch.

Puritan Hatching Eggs—

Laid by vigorous, thoroughbred B. P. Rock stock, on the famous Puritan Plant, from birds bred for heavy egg production and utility—$2.00 and $2.50 per sitting. Try some of the eggs that have made the word ***PURITAN*** famous.

The enormous Puritan Plant has smashed all records in poultry culture and stands to-day unequalled and unrivalled. More birds marketed in '98 than by any three plants in America combined. Send 8c in stamps for beautiful half-tone reproductions of the finest poultry buildings in the world—acres of buildings, acres of fowls. To say you will be delighted and surprised is to say it mildly. Circulars free.

There is a good deal in the method, but

There Must be Something in the Eggs!

Largest, most elegant and complete establishment on the continent. *Unequalled and unrivalled for filled capacity of brooders.*

Eggs that have been proven to be a good investment, from pure B. P. R. stock, bred for heavy egg production and not for finery.

Puritan Poultry Farms,
Stamford, Conn.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

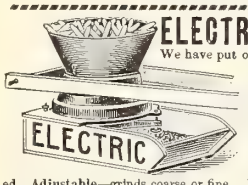
13 YEARS breeding S-c. Brown Leghorns. If you want to win in the show room and have the best layers on earth send me an order. I can please you. 100 ckls. and pullets for show or breeding, from $1 to $3 each.
C. F. LANG, LaCrosse, Wis.

"SILVER WYANDOTTES"
Henry Steinmesch,
Breeder, Importer and Exporter of
Silver Wyandottes,
Lincoln Trust Building,
ST. LOUIS, MO.
Stock for sale at all times. Write for prices

THE IMPROVED **VICTOR INCUBATOR**

Catalogue 4 cents.
Hatches Chickens by Steam Absolutely **self-regulating.** The simplest, most reliable, and cheapest first-class Hatcher in the market. Circulars free.
GEO. ERTEL CO., Quincy, Ill.

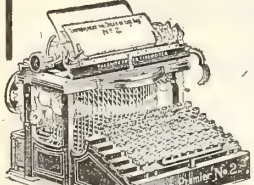
Our Yard
is full of fine chicks that we will enter orders for. The first come gets the best. Brown and White Leghorns, White Wyandottes, B. P. Rocks, B. B. R. Games.
F. E. DeMUTH, Wheaton, Ill.
Correspondence solicited.

ELECTRIC FEED MILL


We have put out this mill to meet the demand of the patrons of the famous **Electric Goods** for a good mill at a fair price. It is a direct grinder and absorbs or wastes no power in useless and expensive gearings. Cuts, crushes and grinds ear corn, and all small grains single or mixed. Adjustable—grinds coarse or fine. Prices low. Circulars and prices free. **ELECTRIC WHEEL CO., Box 194, Quincy, Ill.**

ONLY $5.00

or this first-class cooker and water heater. Just the thing for cooking feed for **stock, pigs** or **poultry** and for heating water for **scalding hogs.** Burns wood only.
The Farmer's Feed Cooker
is made of best cast iron with No. 22 galvanized steel boiler, and holds 20 gallons. We make larger cookers and will quote prices on application. Send for **free circulars.**
Reliable Incb. & Brdr. Co. Box 1 , Quincy, Ill.

Our Best Friends

are the long-time users of Smith Premiers. The more hard work turned out, the more apparent is Smith Premier Durability. Repair bills are reduced to the minimum. Smith Premier capacity for good work all the time is unequaled.....
Ask for Art Catalogue.
THE SMITH PREMIER TYPEWRITER CO.
154 Monroe st. - Chicago, Ill.

A GREAT MAIL ORDER HOUSE.

Last month we introduced to our readers the mail-order house of John M. Smyth & Co., located at 150-166 West Madison street, Chicago. We present herewith a cut of their mammoth establishment, one of the finest in the city, and which stands as a monument to good business methods. This firm has been in business for one-third of a century and has furnished "more than half a million homes" in Chicago during that time. Our readers would be interested to peruse the history of this firm, its honorable record and steady growth. As we have not space to give it here, we advise all interested to send to the company for their new catalogue, which contains this history and much valuable information regarding the purchase of all kinds of supplies by mail. Such a business as that of the John M. Smyth Co., its growth and extent, would be unique in any other city but Chicago. Even in Chicago this house is pointed to as one of the successful enterprises of the city, and John M. Smyth is one of Chicago's most honored and enterprising citizens.

R. D. Burnham, of Champaign, Ill., writes that he can report good sales of stock this fall. He says he is sold out of Buff Cochins, White Wyandottes, Barred and White Plymouth Rocks and Pekin Ducks, but that he has plenty of Black Langshans, Brown Leghorns, Cornish Indian Games and Bronze Turkeys left. Besides being a breeder of fowls Mr. Burnham has a fine farm stocked with short horn cattle, Poland-China swine, Percheron horses and Shropshire sheep. He is active in county agricultural matters and is superintendent of the poultry exhibit of the Champaign County Fair.

Traveling on the Burlington Railroad on the way to Denver, a little town called Atlanta, near Hastings, Nebraska, is pointed out as a point of interest because of the corn cribs built there along the tracks. In all there are twenty-four separate cribs, 12 feet wide and 12 feet high, with a total length of 5,964 feet, or a distance of nearly a mile and a quarter. This year's enormous crop (three hundred million bushels for the state of Nebraska) will test their capacity. Everybody seems prosperous in Nebraska. Nobody complains but the bankers, who find it hard to lend their money. Nobody wants to borrow it.

The early advertiser sells his birds. Continued advertising pays best.

The use of liquid lice killer has become a convenience amounting to a necessity among all raisers of fowls who really mean business. The pioneer in the manufacture of this commodity is the Geo. H. Lee Co., Omaha, Neb. The article can be procured at various handy points in the country (see Lee Co.'s ad) and we heartily recommend its use.

O. L. King, Walnut Grove, Ill., is a well known breeder of Barred Plymouth Rocks. His specialty is a strain that combines utility and high-scoring exhibition qualities. Mr. King has been among our valued patrons for a long time and we cordially commend him to those who are seeking good stock.

Edwin F. Ely, Chalfont, Pa., is building a poultry breeding house consisting of five sections—1st, general stock; 2d, Partridge Cochins; 3d, White Wyandottes; 4th, Pekin Ducks; 6th, brooder house. New and desirable blood will characterize the stock on "Clear View Farm."

J. I. DeLancey, Elgin, Ill., has 200 Mammoth Bronze Turkeys in shape for sale. Also Toulouse Geese, B. and W. Rocks, G., S., and B. Wyandottes, B. and P. Cochins, B. Minorcas, Houdans, S. and G. Duckwing Game Bantams. Mr. DeLancey needs no introduction to our older patrons.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

GOOD WHITE ROCKS CHEAP—To make room I will sell 10 fine hens that scored 92 to 95; 5 cocks that scored 92 to 94. Very cheap if taken at once. Write for prices.

F. J. PHELPS, Bucyrus, Ohio.

PFRIMMER & LeMAY

Breckinridge, Ind.,

BREEDERS OF

White & Barred P. Rocks, S-c. Brown and White Leghorns, Pekin Ducks.

48 premiums won at New Albany and Corydon, Ind., this season. 20 regular and special premiums at New Albany last January. Birds scoring as high as 95½ by Felch.

White Plymouth Rocks.

My birds have won highest honors in strongest competition. They have no superiors,

MRS. T. R. THOMPSON,

Flournoy, Union Co., Ky.

MUST SELL

All our grand breeding stock in Buff Leghorns—many winners in hotte·t competition, with scores from 90 to 93½: 2 cocks, 90, 91; 20 hens and pullets. ***Must have room.*** 100 grandest young Leghorns we ever raised, must go cheap. Write for prices. We nearly give them away now. Don't miss such a bargain.

THOS. H. MILLS, Box 77, Port Huron, Mich.

Black Langshans, White Rocks,

and Belgian Hares.

A fine lot of young stock will be ready for the early shows.

A. S. PARSON,

Garden City, Kas.

Fine Stock for Sale.

Barred and White Plymouth Rocks, Light Brahmas and Single Comb White Leghorns. My Barred Plymouth Rocks and Light Brahmas are 1st prize winners n the show room. Cockerels from $3.00 to $5.00 each. Pullets $1.50 to $2.50. Send for my circular. My stock is good and will please my customers.

C. B. HUFF, Lock Box 73, Delaware, N. J.

BUFF

Rocks, Wyandottes, Cochin Bantams, W. P. Rocks and White Wyandottes. I have some very choice young stock in the above varieties for sale. If you want birds for show or breeding stock write me for prices, describing your wants. I will try and please you. Also a few Ferrets for sale at $2.50 and $3 each or $5 per pair.

A. F. ACKLEY, Box 447, Woodstock, Ill.

Brattain's Brown Leghorns

Won 5 firsts, 6 seconds, 2 thirds, 2 fourths and 7 specials at Oxford and Indianapolis last winter.

50 March and April hatched chicks from the above winners now ready to show. They can win for you.

E. C. BRATTAIN,

Br. Leghorn Specialist. Connersville, Ind.

..THE.. **Banner Junior**

ROOT AND VEGETABLE CUTTER.

It cuts all kinds of roots and vegetables into fine shaving-like ribbons. Are greedily eaten by all kinds of poultry, large and small. It **makes hens lay** in winter just as well as summer. Makes chicks and broilers grow and mature early. The whole story is told in our booklet, "WINTER EGGS." We mail it free to all inquirers.

O. E. THOMPSON & SONS, YPSILANTI, MICH.

CUT Clover 100 lbs., $1.25 200 lbs.....$2.00
C. O. Shells, ton.....$6.50 100 lbs.....$1.00
M. C. Grit, ton $7.00; 100 lb. $1.00 | Pure Beef & Bone, 100 lbs. $2.00
Cracker Crumbs, 100 lbs.....$1.50 | M. C. Dust Sand, ½-ton....$2.00
For sale after Oct. 1, Blk L'gsh'gs, Bd. Ply. Rocks, White Wyandottes Pekin Ducks and Pit Games, Cock'ls $2.50; pair $4.00; trio $5.00.
CLEVELAND POULTRY CO. Plattsburg, N.Y.

NOVEL IDEA AT TORONTO.

Editor American Poultry Journal—

The work in connection with the Toronto Poultry Show is now well under way and everything points to a most successful issue. To encourage the newer members of the fancy to exhibit, this association has decided to offer the same premium money as in the regular classes for a "novice" class, i. e., a breeder or bird that has never won a first prize. To decide the winners it is the intention to select, by comparison, six of the best birds in each section and then score them, the score card being the deciding factor in the placing of the awards. This will assist wonderfully in getting up the prize cards, and then the balance of the class to be scored, so that actually the show is a score card show. We would like to see western fanciers come over and measure their favorites with ours. We promise a good time.

A. W. BELL.

ACTIVITY AT CEDAR RAPIDS.

The contractor is now at work on the big auditorium in Cedar Rapids, Iowa, in which the fifth annual show of the Western Poultry Fanciers' Association is to be held. The association is planning for the biggest kind of a show, with new features and very liberal premiums. Eighteen hundred birds were shown last year, and it is hoped to beat that record next January. The American Poultry Association meets at the same time and place, making the Cedar Rapids show the national show for 1900. In addition to the judges first engaged the association has secured the services of Messrs. Bridge and Shellabarger as representing the A. P. A. The date is January 15 to 21, 1900. Write C. H. Playter, secretary, Cedar Rapids, Ia., for any desired information.

INDIANA FANCIERS.

The exhibition of the Fanciers' Association of Indiana, at Tomlinson Hall, Indianapolis, December 11 to 15, promises to excel any previous event of the kind. The new organization has a membership composed of the leading breeders of the state, a large fund in the treasury, and is liberal in premiums. The show will close Friday night, so that all birds can reach their homes on Saturday and not be delayed because of poor Sunday train service. The president is William Tobin, who, in that capacity in 1897, gave one of the best and most profitable exhibitions ever held in the state. The show will include poultry, pigeons and pet stock. The coops and feed will be furnished without charge, saving the shipper some cost on exhibition coops.

CEDAR RAPIDS SHOW.

The preliminary work being done by the Western Poultry Fanciers' Association, to further the interests of the exhibition at Cedar Rapids , Ia., in January, indicates a wholesome state of affairs. The display of machines and supplies will doubtless surpass that of last year. The attendance one year ago numbered 6,000; the entries, 1,800. This event will be of unusual importance because of the annual meeting of the American Poultry Association, which will be held at that time in Cedar Rapids.

BUFF WYANDOTTES.

Winners Wherever Shown.

Send for circular giving prizes. Some fine young stock for sale. Eggs $2.50 per sitting.

C E. ELLSWORTH, Danville, Ill.

RAINEY MILLER,

Champaign, - - - - Illinois,

BREEDER OF

Light and Dark Brahmas, Buff, Black and Partridge Cochins, Black Langshans, Barred and White Plymouth Rocks, S-c. B. and R-c. B. Leghorns, Cornish Indian Games, Black Minorcas, W. F. Black Spanish, S. S. Hamburgs.

Removal Sale.

Mammoth strain Light Brahmas, White Holland Turkeys, Golden Sebright Bantams, Pedigreed Scotch Collie pups. For sale at a bargain if taken at once.

MR. & MRS. J. G. LEMBKE,
Box 25, Griswold, Iowa.

H. D. THOMPSON,

Wheeler, N. Y.,

Breeder of Houdans, American Dominiques, Blk. Lanshans, White Wyandottes, Light Brahmas and Buff Cochins. Have the finest lot of chicks I ever raised. A few yearling breeders for sale cheap if taken soon.

Hello!

Give me 7-20-4—or A. Howard.
Hello!
Is this Jones?
Yes.
Were you at the Rochester fair?
Yes.
What was all that crowin' about?
Why that was Scovil's Buff Rocks and Buff Cochins. They won every durned thing in sight.
Where there any others there?
Were there! Well I guess! About 2000 of the cracker-jacks from all over New England.
S'pose he'd sell some of them birds?
Yes, sir, that's his business.
What's the address?
W. H. Scovil, Box 82, East Lebanon, Maine.
All right. Thanks. Good bye.

TIME IS MONEY!

We haven't got a timepiece to give you free, but we have a monthly poultry paper that you will want to look at just as many times. The information you'll get saves both time and money. 20 pages. Yearly, 50c; trial six months for 10c.

The Poultry Standard, Stamford, Conn.

.....BEST.....

HEN RESULTS

That is certainly what every poultryman and every owner of poultry is seeking. This is a case where results depend very largely on the quality of the hen.

SHE MUST BE WELL BRED,

for all other things being equal, the blue blooded hen **wins in the race for profit every time.**

We Breed Them, We Sell Them.

We have at the present a number of **fine females** of each of the following breeds for sale.

B. Langshans, B. P. Rocks, Light Brahmas, S. C. Brown Leghorns, Partridge Cochins, and Pekin Ducks.

Strong healthy individuals capable of leaving their stamp on any flock. **Prices very reasonable,** quality of stock considered. During the summer season we shall sell **eggs for hatching from each of the above breeds at greatly reduced prices.** Write for what you want; we can suit you both in price and quality.

Continental Poultry Farm,

Box A, Belleville, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WHITE PLYMOUTH ROCKS---Exclusively.

300 choice cockerels and pullets fit to show in any company. Price reasonable; quality the best. Write me your wants.

JAS. S. HOFFMAN, Sharon, Pa.

Roberts' Buff Rocks

are known wherever Buff Rocks are known, and what is better still, it's their merits that make them popular. Circular tells all about them.

Eggs reduced to $1 per sitting; 6 sittings $5.

R. W. ROBERTS, Box 4, Camroden, N. Y.

Blue Barred Plymouth Rocks,

Bradley Bros. Strain.

Large and showy, well barred, fine in shape and color, and no brassiness; legs and beaks a nice orange color. They are as fine a flock as there is the West. I have bred them 2 years and have been very particular to breed them to the Standard. Eggs, $2.50 per 13. No circulars. Write for price.

LEVI McNETT, Woodstock, Ill.

W. P. ROCKS.

The hatching season is over. I have winners that will be ready for the judges by October. They are yours at a fair price.

W. M. JAMES,

Box 123. Alvin, Ill.

DAVIDSON

invites your attention to his stock of

Brown Leghorn Cockerels

Now Ready for Delivery.

REMEMBER—My breeding yards this season contained such birds as 1st cock, Chicago, '98; 2d cock and 1st hen, Chicago, '99, and 3d pullet (tied 2d) West Liberty, Iowa, '98.

WRITE YOUR WANTS.

NOTE—Change of address to 3717 West Sixty-fourth Place.

C. M. DAVIDSON, - Chicago Lawn, Ill.

300 Chicks and a few choice Hens FOR SALE

Higley's Lt. Brahmas

Elegant Catalogue Free

WILLOWHURST BRAHMA YARDS CEDAR RAPIDS, IOWA.

EQUAL TO THE BEST.

It will be a grand success—the Meadville Fanciers' Club show, to be held Dec. 19-25, 1899. At a meeting held recently it was decided to hold a score card show and pay premiums on the last day of the show, thereby insuring satisfaction in the financial way. Also put up a cash deposit to insure the payment of these premiums so the exhibiter is sure to get what is his. It was shown by actual count that the members alone would have on exhibition over 500 birds. With this showing it can be said without much doubt that there will be from fifteen hundred to two thousand entries. A prize card won in such a crowd as this will be of real worth. Premium list will be ready on or about the 15th of November and will be sent free if you will drop a card to the secretary, H. L. Lamb, Cambridge Springs, Pa. Chas. McClave will judge. The hall is as good a place for a poultry show as could be asked for and there is ample room for all. They will have an enormous list of valuable specials. The list last year was the largest one published and will be much larger this year.

IOWA FALLS SHOW.

The third annual show of the Iowa Falls, Ia., Association will be held in that city December 18-22, 1899. The premium list will be ready by the 15th inst. Entries will close December 16. Chas. Williams will act as superintendent. Address all inquiries to W. E. Cutting, secretary, Iowa Falls, Ia.

The Knox County Fanciers' Club will hold their first exhibition at Mt. Vernon, O., during the week beginning November 13, 1899. The managers are going into it with a determination of making a winner. They have secured Chas. McClave of New London, O., as judge. Readers of A. P. J. are urged to join in and help make this so much a success that it will be only the first one of many to be held there. The premium list can be secured by writing the secretary, Geo. Brown, Mt. Vernon, O. The other officers are as follows: Dr. T. Bent Cotton, president; Park Blair, trreasurer; Jno. Lane, superintendent.

"Golden Jubilee Show" at San Jose, Cal., will be held by Santa Clara Valley Poultry Club, December 20 to 23, 1899. Comparison show. Judges: O. J. Albee, Brown Leghorns; H. G. Keesling, White Leghorns and Langshans; E. H. Freeman, Asiatics and Bantams; Henry Berrar all other varieties. W. P. Lyon, secretary, Eden Vale, Cal.

The Georgetown, Ill., Association reports a most hopeful condition. The second annual show, to be held at that place January 2-6, 1900, and judged by Ben S. Myers, will surely be largely attended. A fine exhibition is secured and no one is barred. Communications should be addressed to D. H. Bowen, secretary, Georgetown, Ill.

The Cerro Gordo Poultry and Pet Stock Association will hold their annual poultry exhibition at Mason City, Ia., December 12-15, 1899. Geo. D. Holden, judge. They offer $200 in cash as premiums. If you have not received a list, send for one to Jno. D. Reeler, secretary, Mason City, Ia.

This Season's Breeder For Sale

at a Bargain.

Also young stock—Buff and Barred Rocks, Blue Andalusians, Buff and S. C. Brown Leghorns. One pair Pekin Ducks, direct from A. J. Hallock, $3.

B. F. PARSONS, Edwardsburg, Mich.

PURCHASERS of Buff P. Rocks now demand *something buff*—real buff, not red or brown or black and white and buff intermixed. The color in buff Rocks is firmly fixed by the breeders who are capable of **Something Buff** breeding them properly. I can supply either breeding or exhibition specimens that will "breed on" and win.

W. E. CUTLING, Iowa Falls, Iowa.

White Wyandottes and S-c. Buff Leghorns.

Winners at

Chicago, Coldwater, Sturgis.

Eggs $2 per 15 in season. Stock for sale at all times. Satisfaction guaranteed. Circular free. Correspondence solicited.

CHAS. F. HOWE, Box 62, Hot Springs, Va.

The IONIA STRAIN

....OF....

R. C. Brown Leghorns and Polish

have a standing record east and west. Send fo picture book and description. ***Eggs, $2.***

S. G. ALLURED,

IONIA, MICH.

500 TO SELL

Light Brahmas, Barred and White Plymouth Rocks, Buff and Partridge Cochins, Mammoth Bronze Turkeys, Embden Geese and Pekin Ducks. Young and old stock for sale. Write for prices.

W. T. & S. J. SAYLER,

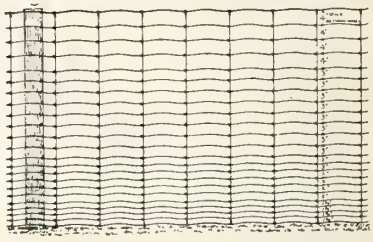
New Market, Ind.

HENS TEETH (Rocky Hill Grit)

The best grit known. Does not crumble or go to dust; it's all grit. Every surface cuts and grinds. Better than oyster shells; goes 3 times as far. Club together and get wholesale prices.

One Ton	$7.00
Half Ton	4.00
100 lbs (1 bag)	.50

Rocky Hill Grit Wks. Milford, Mass.



PAGE POULTRY FENCE

is so good and so cheap in price it seems strange that any other is sold. Weighs ten pounds to the rod. Send for catalogue.

Page Woven Wire Fenco Co., Adrian, Mich.

POULTRY SUPPLIES

Mica Crystal Grit,	Per 100 lbs. $ .75
Crushed Oyster Shell,	Per 100 lb. bag, .75
Ground Bone,	Per 100 lb. bag, 2.00
Pike's Lice Destroyer, per gallon,	.75

We make lower prices for large quantities. Send for Descriptive Circulars.

SHIP US YOUR **POULTRY AND EGGS**

SPRAGUE COMMISSION CO.,

216 South Water St. Chicago, Ill.

Reliable Breeders' Directory

OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.
C. H. C. Anderson, Carlinville, Ill.
A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minorcas.
H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.
C. H. C. Anderson, Carlinville, Ill.

B. B. R. Games.
J. C. Pratt, Agent.
Residence and Yards, La Grange, Ill.
Office, U. S. Sub Treasury, Chicago, Ill.

Houdans.
John M. Wise, Freeport, Ill. 4-99-1yr

Japanese Silky.
Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.
S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.
S. D. Mandeville, Sidney, Ill.

Indian Runner Ducks.
Ber'd McCaffrey, Steubenville, O. 9-98-1y

WHITE PLYMOUTH ROCKS,
Embden Geese.

Fine cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.

TILLMAN EASLEY,
Box E, Newmarket, Ind.

Poultry Supplies.

Bone Meal, Oyster Shells, Lime Stone Grit, Ground Charcoal, Beef Scraps, Broken Crackers, Caponizing Sets, Poultry Markers, Drinking Fountains, Lambert's Death to Lice, GREEN BONE CUTTERS, Poultry Wire Netting, Feed Mills, &c. Send for reduced price list.

J. H. SLACK, Mfr. Poultry Supplies,
Box 210, Bloomsbury, N. J.

Do You Want the Best?

Can spare a few sittings of eggs from two choice pens of

Barred Plymouth Rocks,

containing all our prize winners. Have shown pullets scoring to 93½ and cockerels to 93. Eggs $2.50 per 13; $5 per 30. A good hatch guaranteed.

MYER BROS., Malden, Ill.

S-c. BR. LEGHORNS,
S-c. BL. MINORCAS.

I won 7 firsts, 2 seconds, 2 thirds at Cleveland and Washington C. H., O. Eggs $1.50 per sitting.

W. H. Wiebke, 266 Beaver ave, Ft. Wayne, Ind

Make Your Hens Pay.

You can't afford to feed hens all winter without some adequate returns. Hens will lay just as well in winter as in summer if they are fed properly.

EVAN'S...
Vegetable and Root
CUTTERS

come to the relief of all poultrymen at this point. They cut all roots and vegetables into fine poultry food. Relished by all fowls and is profitable as to results. Beats dried clover, clover meal, &c. Machines greatly improved this season. **Remember, it will double the eggs this winter.** Write for catalogue prices, &c.

EVANS MFG. CO. Dept. B. 731 River St., Detroit, Mich.

WHITE PLYMOUTH ROCK SPECIALIST.

A. P. J. this month presents the likeness of B. R. Bryson, Iowa Falls, Iowa, who is, and has been for years, making a specialty of Barred Plymouth Rocks. He has been pursuing true

B. R BRYSON.

breeding for years, and has built up a strain that is ackuowledged by all Rock men to be one of exceptional merit. He does not breed "hundreds of Rocks," but makes quality, not quantity, the consideration. His birds are of extreme size, strong in Standard markings and leg and beak color. He can supply choice breeders and sure winners. Mr. Bryson is in request as judge, having this, his first season, been secured by a number of leading associations.

AMERICAN FIELD AND HOG FENCE.

The sales of American Field and Hog Fencing thus far in 1899 might be considered marvelous were it for the intrinsic merits of the fence which are becoming more thoroughly demonstrated every season. Every rod of American fence is guaranteed by the manufacturers. The wires are specially made for this purpose of best spring steel and are very heavily galvanized. There is thus a wide difference between the quality of American fences and fences made of ordinary wire. The American fences are sold by agents in nearly all towns throughout the United States and Canada, but should no agency have yet been placed in your town the reader of this who desires further information can secure it by addressing the manufacturers, American Steel and Wire Co., Chicago or New York.

MRS. OREBAUGH'S PLANS.

Mrs. J. H. Orebaugh, proprietress of the Phoenix Poultry Yard, Batavia, O., says she has been requested by certain parties to mate up her pens of W. P. Rocks to furnish eggs for the winter hatching. To any who may need eggs for hatching during November and December she will make a great reduction from the regular price. She has kept the males and females separate, and by request for any variety that she breeds can mate up a pen and have the eggs ready for customers on demand. The young stock is now ready for sale, and we invite your attention to the same.

Houdans, White Wyandottes,
Pekin Ducks.

Large, vigorous, prolific. This season's breeders, among which are many fine exhibition birds, for sale very low to make room for young stock.

MRS. G. A. NORRIS,
Lebanon, Maine.

Eclipse Leg Bands.
Poultry Printing.

Circulars and sample leg band free. Get my prices on *up-to-date* printing. "Eclipse" Leg Bands *stay on* and *stay bright.* They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed,

B. F. HUNTINGTON, Platteville, Wis

POULTRY FOOD

	50 lbs.	100 lb.
Beef Meal	$1.00	$1.80
Concentrated Meal	1.00	1.80
Ground Beef Scraps,	1.00	1.80
Granulated Bone	1.10	2.00
Fine Ground Raw Bone Meal	1.10	2.00
Mica Crystal Grit		.75
Crushed Oyster Shells		.65

C. A. DAMON, **2470 Monroe st., *Chicago.***

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3½x5⅛ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x5⅜ in., at same price. ☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash. ☞No less than 100 of any one kind printed.

No samples sent to any one whatever.

JEFFIE R. HUDSON, HARDIN SPRINGS, KY.
(Mr. Hudson is perfectly reliable.—EDITOR.)

AFTER HARVEST, FENCING.

Now that your crops are all in, you will have time to attend to that fencing. The best farm fence you know, is

THE ADVANCE FENCE.

It's the one that is sold direct to the farmer at wholesale prices. Nobody can buy it cheaper than you can. Entirely interwoven. No loose ends. Circulars and special discounts free.

ADVANCE FENCE CO., 108 Old Street, Peoria, Ill.

FOY'S POULTRY CATALOGUE

contains much valuable information on rearing Poultry, Artificial Incubation, best plan for poultry houses, diseases, etc., and gives prices of fancy poultry and eggs. Incubator eggs a specialty. Don't buy poultry or eggs until you see our Catalogue. Its FREE.

Box 1001. **F. FOY, Des Moines, Ia.**

SUCCESSFUL MEN

have learned their business "from A to Z." Your future depends upon your ambition. We have prepared thousands who studied "between times" to secure enviable positions through

EDUCATION BY MAIL

in Electrical, Civil, Mining, Steam and Mechanical Engineering; Metallurgy, Journalism, Machine Design, Mechanical Drawing, Art, Architecture, English Branches, Stenography. Low price; easy terms.

The United Correspondence Schools,
156-158 Fifth Ave., New York.
Write at once for Catalogue No. 21

POULTRY SUPPLIES

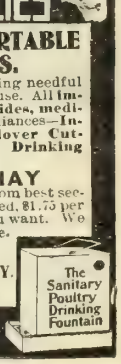
MAKE A HEN COMFORTABLE AND SHE PAYS.

We carry a full line of everything needful in the poultry yard and hen house. All **improved foods, grits, insecticides, medicines, &c.** All improved appliances—**Incubators, Bone Cutters, Clover Cutters, Vegetable Cutters, Drinking Fountains, &c.**

CUT CLOVER HAY

the great winter food, made from best second crop clover, all ready to feed, $1.75 per 100 lb. sack. Write for what you want. We have it. Large Catalogue **Free.**

HARVEY SEED CO.,
30 Ellicott St., Buffalo, N. Y.



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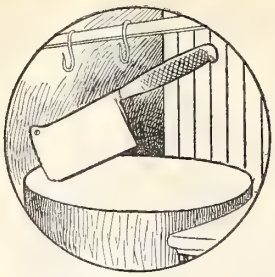


From the Hatch to the Hatchet.

AMERICAN POULTRY FOOD

A Morning Mash

will accomplish the very best results. It makes early-to-market poultry and cold-weather-price eggs.

He says it may be fed every day in the year to advantage.

FALL RIVER, MASS., Aug. 14, 1899.

The American Cereal Co.:

Gentlemen:—"I wish to express my appreciation of American Poultry Food. Nothing I ever tried seems to fill the bill so well. There is no time from the hatch to the hatchet when American Poultry Food will not accomplish the very best results. It puts flesh on chicks and makes hens lay 'to beat the band.' And the beauty of the thing is that the birds (young and old) are crazy for it. It's a moral incentive to hustle when one sees the flock rush for this peerless food product. It is a perfect nutrient, not overburdened by the carbonaceous elements, is easily assimilated and may be fed every day in the year to advantage." Yours very truly,

JOHN CROWTHER.

Sold only in Sealed and Branded Sacks.

Try a bag and be convinced. **At your feed dealers.**

Practical Poultry Feeding, a little book covering a wide range of subjects of vital interest to Poultrymen, will be sent you free, postpaid, on request. Address, **Science Department,**

THE AMERICAN CEREAL CO., 1353 **Monadnock Bldg., Chicago, Ill.**

BUCKEYE FARM, AUSTINBURG, OHIO. Drawer 13.

BUFF ROCKS GRAND IN SIZE, SHAPE AND COLOR.

BUFF WYANDOTS

THE KIND WE ALL WANT.

LARGER THAN THE GENERAL RUN OF LEGHORNS; GREAT LAYERS. **BUFF LEGHS.**

Can now furnish young or old stock and winners for the coming shows.

Address ***E. A. PHELPS, Prop.***

NEARLY POSTLESS FENCE.

In conversation recently with W. A. Acheson, of Maxwell, Iowa, he stated that he had one 40 rod stretch of Page Standard Stock Fence which had been in constant use for over a year, stock running on both sides of it, in which he used only three intermediate posts. The lot is not level, but one post is set on the highest point and one on each side on other levels so that the bottom of the fence touches the ground the whole 40 rods in length. He said that he would guarantee that no bull could go through it. This fence was stretched up by the agent, S. H. Uhl, and it is safe to say that he understood his business, because Mr. Acheson says that the fence is in perfect order, does not sag, and not a wire is broken. Mention A. P. J. when writing for information.

FISHEL'S FINE RECORD.

U. R. Fishel, Hope, Ind., box A, gives a list of his winnings at the great St. Louis Fair this year on White Rocks. It is a clean sweep. He alludes to his prizes at the last Chicago show and at the recent Indiana State Fair. Mr. Fishel is making special effort to secure the highest and best results in Bronze Turkeys, Toulouse Geese and Pekin Ducks. His awards prove the excellence of his stock. Read his large ad in this issue and mention A. P. J. when writing him.

SOMETHING BUFF.

The largest and by all odds the best flock of Buff Plymouth Rocks the writer has seen this season was inspected the other day at the place of W. E. Cutting, Iowa Falls, Iowa. Mr. Cutting has about 200 grandly bred and marked young Buffs. They are remarkable in color markings, numerous specimens being handled which had clear buff wings and tails. In shape they are very fine. Mr. Cutting can supply either breeding or exhibition birds of exceptional merit.

R. B. and C. H. Dayton, Remsenburg, N. Y., the Indian Runner duck raisers, had a consignment of birds on the American liner Paris, which was wrecked. The fowls were taken from the wreck and reshipped, but they were a total loss to the firm, owing to hard experience. The young stock, however, is very fine and the season's trade promises to be very good.

Judging by the specimens of feathers from Partridge Cochins and Golden Wyandottes raised by H. A. Towne, Sac City, Iowa, we believe he has excellent stock. A snap-shot photo of one of his Cochin pullets is received. The bird was pronounced by Mr. Shellabarger to be the best penciled pullet he has seen this year.

James N. Hutton & Son, Door Village, La Porte Co., Ind., appear among the advertisers in this issue. Their stock is satisfactory in every particular, and we introduce these breeders to our readers with confidence.

Grover & Grover, Concord, Mich., the White and Buff Plymouth Rock and Black Java men, are right in line for business. No. one can fail to secure a good bargain if the order goes to this firm.

WELL KNOWN FIRM.

The fall and winter announcement of Johnson & Stokes, the great Poultry Supply house of Philadelphia, Pa., makes its first appearance with this issue. These people are well known to our old readers and we take pleasure in commending them to all our new subscribers. They have been engaged in this line of business for a number of years and have the reputation of supplying good goods at reasonable prices and of dealing fairly and honorably with their customers. It seems to be their aim to make a permanent customer of every poultry man or woman who instrusts an order to them, in consequence of which fact they are held in high esteem by all who have had dealings with them. They issue an extended illustrated catalogue which embraces about everything of standard quality in the poultry supply line in addition to special preparations of their own, some of which are mentioned in their advertisement. Write them for their new catalogue and address them at 217-219 Market street, Philadelphia, Pa., mentioning A. P. J.

WHITE ROCKS THAT WIN.

R. M. Gard, of Frankfort, Ind., made a grand record with his famous White Rocks, at the late Indiana State Fair, the competition there was as sharp as any big winter show. Mr. Gard entered 10 birds in a class of 126, and won second cock, first and second hen, first cockerel, first and second pullet, first pen. His opposition were noted breeders, so Mr. Gard is more than pleased over his first victory of the season.

WINNING WHITE WYANDOTTES.

The writer had the pleasure, a short time ago, of visiting G. A. C. Clarke and family, at Le Mars, Iowa. "Pine Tree Poultry Farm" is the most perfect poultry plant in Iowa. Mr. Clarke has about twenty acres of land within the limits of Le Mars. It is devoted exclusively to White Wyandottes and B. B. Red Game Bantams. The buildings are many and substantial, and every convenience is provided. In a word, it is perfect plant. Mr. Clarke's White Wyandottes are leaders. They are winners, always. He has demonstrated the fact that it is possible to breed stay-white White Wyandottes. In this respect his birds are marvels of beauty and perfection. He is a royal gentleman and true fancier, and I most heartily recommend him and his stock to the fraternity.

THOS. F. RIGG.

Iowa Falls, Ia., Oct. 12, 1899.

CORRECT COLOR AND SHAPE.

Bridgeport, Conn., Sept. 24, 1899.

H. S. Burdick, Rome, N. Y.

DEAR SIR:—I received the cockerel Thursday morning and think him a grand bird. I have 7 fine females to put with him next spring, and can't wait until the time comes. His shape and color is something wonderful. I get from him a fine idea of the right shade of Buff. I will let you know how I make out next spring. Yours truly,

CARL EVERS.

U. Grant Davidson, Manson, Ia., reports that he has some very fine specimens of Barred Plymouth Rocks and Light Brahmas under way for the winter shows.

White Wyandottes--Pit Games.

If you want some of our this year's breeders, better write us quick. Your money will go much further now than later in the season. Let us know your wants.

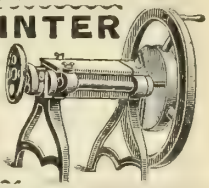
BROWNE & MANN, 428 N. 53d st., Austin, Ill.

MAKE YOUR HENS PAY THIS WINTER

It's easy when you know how. Winter eggs are worth double the average prices. You will get the eggs in the winter if you feed your hens on green cut bone prepared with our famous

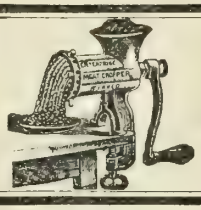
DANDY Green Bone Cutters

They leave nothing to be desired. Prepare the bone exactly right for chicks or fowls. No danger of choking. Makes hens lay, broilers and ducklings grow. Hand and power combined, or either singly. Send for free illustrated catalogue and prices.



Stratton & Osborne, Box 17, Erie, Penna.

Sausage meat, Mince meat, Hamburg steak, Tripe, Hash, Suet, Chicken and Lobster for salads, Clams, Codfish, Cocoanut, and many other articles of food, as well as scrap meat for poultry, can be easily, quickly, perfectly chopped with the



ENTERPRISE

Meat and Food Chopper

It is guaranteed to chop—not grind—the food. As easy to clean as it is to use. Our trade-mark ENTERPRISE is on every machine.

28 sizes and styles—hand and power—for families, hotels, meat markets, etc. Prices from $1.50 up. Sold by all hardware dealers. Descriptive catalogue mailed free. The **"Enterprising Housekeeper"** with 200 recipes mailed for 4 cents in stamps.

THE ENTERPRISE MFG. CO. OF PA., THIRD and DAUPHIN STREETS, PHILADELPHIA, PA.

JOHN M. SMYTH CO.

MAMMOTH MAIL ORDER HOUSE

150 TO 166 WEST MADISON ST CHICAGO

The Genuine White House Cook Book

By Hugo Ziemann, Steward of the White House, and Mrs. F. L. Gillette.

This book is a useful compendium known the length and breadth of the land as comprising valuable Cooking, Toilet and Household Recipes, Menus, Dinner Giving, Table Etiquette, Care of the Sick, Health Suggestions, Facts Worth Knowing, etc., etc. This work contains over Sixteen Hundred Household Recipes. Nothing relating to practical housekeeping is omitted.

We offer the **Authentic White House Cook Book** at a price never before heard of as additional proof that it pays to send your mail orders to this house. We moreover expect to enroll thousands of new customers by this remarkable offer.

Carving, Soups, Fish, Shell Fish, Poultry, Game, Meats, Sauces, Salads, Vegetables, Catsups, Pickles, Macaroni, Butter, Cheese, Sandwiches, Omelets, Eggs, Bread, Biscuits, Rolls, Muffins, Toast, Cakes, Pastry, Pies, Tarts, Custards, Creams, Desserts, Ice Creams, Ices, Puddings, Canned Fruits, Jellies, Preserves, Confectionery, Coffee, Tea, Beverages.

This splendid book is bound in white enameled oil cloth; is beautifully illustrated; contains nearly 600 pages; is convenient to handle; made of paper of excellent quality, and is from beginning to end durable and handsome.

STRONG POINTS: Authors of thorough knowledge and national reputations. Receipts practical, the merit of each fully established. They are economical. They are explicit. Menus are given for every day in the year, and every possible occasion. It is the most complete and popular work of the kind on the market today. New and enlarged edition, usual wholesale price $1.25. Our price but **80c**

OUR MAMMOTH CATALOGUE

In which is listed at lowest wholesale prices everything to eat wear and use, is furnished on receipt of only 10¢ to partly pay postage or expressage and as evidence of good faith the 10¢ is allowed on first purchase amounting to $1.00 or above.

OUR MONTHLY GROCERY PRICE LIST FREE.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

BUSINESS CHANCES—If you have a busines you wish sold quickly, or if you wish to engage in any new line, or change your location, address our Business Dept.
EXCHANGES—Our exchange list is the largest in the country, and if you have real estate or any legitimate property you wish to trade, address our Exchange Department. No charges without sale. Give full information first letter.
MERIAM, ELLIS & BENTON, 511 Minnesota ave., Kansas City, Mo., U. S. A.

WANTED—A MAN—One to buy, rent or take an interest in a modern, well equipped poultry plant. Good chance for a man who thoroughly understands the business. Over 5500 sq. ft. of floor space.
WHITE SILVER **WYANDOTTES** GOLDEN BUFF
F. M. GRIER, Prop., Box C., Charlotte, Mich.

Denny's BUFF ROCKS, "GOLDEN ROD" Strain.
100 Yearling Breeders **FOR SALE.** Females, $2.50 and up. Males, $5 and up.
200 Chicks Bred from **PRIZE WINNERS** Ready to ship from now on.
Write for particulars. W. C. DENNY, BOX J., ROCHESTER, N. Y.

For Sale.

200 Mammoth Bronze Turkeys. Also Toulouse Geese, Barred and White Plymouth Rocks, Golden, Silver, Buff and White Wyandottes, Buff and Partridge Cochins, Black Minorcas, Houdans, Silver and Golden Duckwing Game Bantams. Write for catalogue.
J. I. DeLANCEY, Elgin, Ill.

Winners.

Our birds won the best prizes wherever shown during the past winter and the superior matings in our breeding yards this season have produced stock that can and will win at the coming winter shows and fall fairs. Do you want such stock? LARGEST POULTRY PLANT in Ohio. This country's best Turkeys, Geese, Ducks, Chickens, Guineas, Peafowl, etc., etc., etc. Address
CHAS. McCLAVE, 416 Ashland st., New London, Ohio.

None Better

Barred and White Rocks, Buff Cochins, Light Brahmas. 500 head. 100 head fine Golden Sebright Bantams at $1 to $2 per head. 20 head of Homing and Tumbler Pigeons for sale cheap to close out.
D. T. HEIMLICH, Jacksonville, Ill.

JUST LIKE THEIR DADDY!

I have an unusually fine lot of young cockerels for sale, bred from the cock which took **FIRST PRIZE** at the big **CHICAGO SHOW**. *Large, Strong, Stylish* and correctly feathered. They are sure to make fine foundation stock. I havn't time to breed anything but the best. Eggs $2 for 15 in season.
DANIEL PURNELL, Geneva, Ill.

Only White Wyandottes.

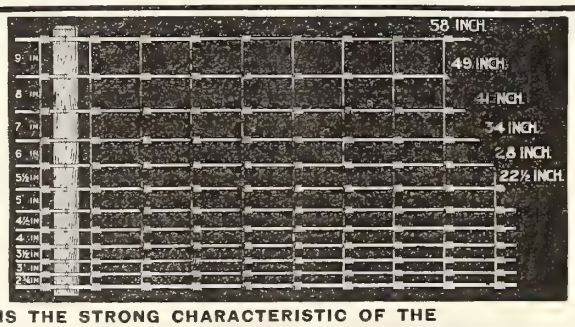
Cockerels, Trios, Pairs or Pens

Buff Rocks and Black Langshans.

—Better this Season than ever.
—From last Season's Winners.

Best quality for lowest price—quality considered. Winner of American Buff Rock Club Cup for Indiana, year 1899, for best cock, hen, cockerel, pullet and pen.
S. E. McINTOSH, Hardinsburg, Ind.

Stays Up



THAT IS THE STRONG CHARACTERISTIC OF THE
AMERICAN FIELD AND HOG FENCE.
Once well stretched it stays in place and holds its shape. Cannot be broken by animals, or by expansion and contraction. Cannot rust, because of the heavy galvanizing. Made entirely of large wires. Sold by our agents everywhere. If you can't find an agent in your town write to
AMERICAN STEEL & WIRE CO., Chicago or New York.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

CATALOGUES AND BOOKS.

R. D. Burnham, Champaign, Ill., will send to those who mention A. P. J. a very convenient record book for swine. Stamps should be sent for postage.

J. R. Brabazon, Jr., & Co.'s annual catalogue is handsomely printed and filled with desirable information relative to breeds and poultry supplies. Mention A. P. J. when you send for a copy. The price is 10 cents.

Geo. W. Osterhout, David City, Neb., breeder of S. C. B. Leghorns, exhibits good taste in his annual catalogue.

"The Langshan Fowl; Its History and Characteristics," by Miss A. C. Croad, is a book that should be, if it is not already, in the library of every breeder of this standard breeder. The work is by the best known writer and breeder in this particular field. Arrangements have been made whereby the book can be obtained through THE JOURNAL at $1 for A. P. J. one year and book.

Harper & Brothers represent the very best ideas in literature. The firm name is a guarantee of all that can be desired in the written word. Every phase of effort in the literary realm is met with in one or another of the Harper publications. The Monthly has been reduced to $3 a year or 25 cents an issue, but the tone is maintained in all respects. The Weekly, the Bazar and the Round Table are standard in their respective fields.

The *Cosmopolitan* is unquestionably endowed with the courage of its opinions. It is a publication worth the reading, however much one may differ with it on those opinions. It is a vehicle for thought. Therefore no one will fail to find something profitable in its pages, if only in the form of quickening mental processes. Agreement is not a prerequisite to enjoyment and appreciation. For sale at all news stands at the nominal price of 10 cents. The *Cosmopolitan* is sure to hold a high position in public favor.

Ladies' Home Journal is the great success it is because the matter therein contained satisfies a want in the public mind.

The *Review of Reviews* for November is filled with articles of the most timely and interesting nature on political, industrial and social topics. Dr. Shaw gives his views on the recent conference regarding trusts. Mr. Stead writes of the Dreyfus case.

Fanciers of Black Langshans will note the fact that a bargain can be found in the offer made by F. E. Hormig, Litchfield, Ill., in his ad. Mr. Hormig has Buff and White Plymouth Rocks which command attention. His "Royal Blue" Rocks are of the sort that win approval. When writing him address box 390, and mention A. P. J.

Fred Keith & Son, Lansing, Mich. state that their young stock is coming on in good shape. After November 1 the birds will be ready for sale. They have some fine ones. Write for prices.

Luny Reynolds, Westville, Ind., offers his S-c. Black Minorcas in this issue, and readers who mention A. P. J. can feel assured of prompt and careful attention to orders.

E. F. Pierce, Port Clinton, O., with yards at Catawba Island, has some fine B. P. Rock youngsters for sale. Mr. Peirce is one of our oldest patrons.

LIMBER NECK AND LEG WEAKNESS.

Limber neck and leg weakness in chicks have troubled many farmers and breeders. A lady whose name and address are modestly withheld writes the *Practical Poultryman* that she overcame the trouble by putting Epsom salts in the drinking water and milk; also nux vomica. The doses are not stated.

In the October issue we reported that G. C. Flegel of Westville, Ind., had made winnings on his White Wyandottes. Mr. Flegel writes us that he does not wish to sail under false colors and says that his winnings were first on pair of Buff Cochin Bantams at the Tiffin, Ohio, Fair. He will have some White Wyandottes at the Chicago show for a trial.

THE JOURNAL is ready at all times to assist its readers in every possible way to make their flock pay. We issue this magazine for mutual benefit, and wish to be in constant communication with our patrons. Tell us your "experience"—your trials, tribulations and triumphs.

Dr. I. W. Houston, Marshall, Mich., who has one of the largest poultry farms in that state, and is a breeder of Buff Rocks, has a fine beginning in show records. At the State Fair he took 1st and 2d on cockerels and hens, 2d on cock—being 5 out of 8 entries. Competition sharp. He also took 1sts and 2ds at Albion and Marshall fall shows.

In an interesting letter W. B. Gibson & Sons of West Alexander, Pa., state that recently they received orders for three Barred Plymouth Rock cockerels and eight pullets for which they received $100 even money, and that they were never so well fitted for filling orders for high grade stock as now.

Robt. R. McGregor, Springfield, O., writes to H. P. Thomas, South Charleston, O., that he has two Barred Plymouth Rock pullets from Thomas's stock which "commenced laying when only a little over five months of age and up to October 6 had laid about 30 eggs apiece." He never saw stronger stock.

J. L. Johnson, of Sabina, O., died suddenly, September 30, 1899. Mr. Johnson was one of the pioneers in the poultry business of his section. For 10 years he was devoted to the cause, and won the esteem of all his associates. He was president of the local association at the time of his death.

Ralph H. Mathew, Sabina, O., box A, offers more than 500 of his fine Buff Leghorns and Buff Cochins, agreeing to ship them on approval. That is a proof of faith in stock and in purchaser. His stock includes the 1st pullet, '95 Chicago; 1st cockerel, Columbus; 2d cock, Pittsburg.

Ovamead Mfg. Co., Rochester, N. Y., recently received a second order for goods from Langlois & Co., Racine, Wis., because one person tried a package and in four days his hens laid 30 eggs where but 6 had been laid before in corresponding time.

F. R. Simmons, Casstown, O., offers S-c. W. Leghorn cockerels at very low prices. See ad.

This is Interesting.

I have raised more chicks than last year and think they are even better. I am about ready to sell

Young Birds.

I have a lot of last season's breeders that I want to close out soon.

Anyone Thinking

of raising **WHITE WYANDOTTES** should remember who was "awarded the palm" at Boston this year in the hottest competition of the country. It was **THE** White Wyandotte specialist,

ARTHUR G. DUSTON,

Box 1020. Marlboro, Mass.

For Sale.

FIVE HUNDRED HEAD cocks, hens, cockerels and pullets following varieties: Black Langshans, White Cochins, Barred Rocks, White Rocks, White Wyandottes, Brown Leghorns, Cornish Indian Games and Bronze Turkeys. Prices reasonable. No culls sold at any price.

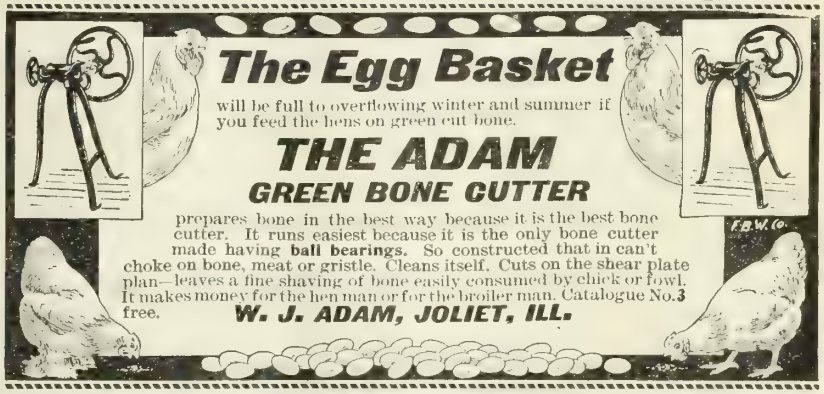
Address ***R. D. BURNHAM, Champaign, Ill.***

Indian Runner Ducks.

Wonderfully Prolific.

Are rapid and easy growers. Handsome in appearance. Eggs and stock for sale. Write us.

R. B. & C. H. DAYTON, Box 8, Remsenburg, N. Y.



"THIS IS IT."

The Utility Farm of the Age.

Plainfield Poultry Farm Co., Plainfield, N. J.

THE HOME OF

Corby's S-c. Wh. Leghorns.

The great winter laying strain.

Hundreds of youngsters bred this year from our Madison Square winners. You order—we guarantee satisfaction.

Also breeders of White Wyandottes, White and Barred Plymouth Rocks, Pekin Ducks. Circular free.

S. B. CORBY, Mgr.

Buff P. Rocks, Single and Rose-comb Buff Leghorns; my own "ORANGE STRAIN," exhibition and breeding birds now for sale at right prices. Write,
L. B. HANNA, Columbus City, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WOMEN ARE GLAD TO SAVE LABOR.

It is claimed that women are slower than men to take hold of labor-saving devices. But this claim is contradicted by the experience of the Enterprise Manufacturing Company of Pennsylvania, a Philadelphia firm which manufactures the Enterprise Meat and Food Chopper. Any woman who has spent a day making tomato ketchup or Chili sauce with all its tedious chopping and cutting by hand, and then has seen the same work done rapidly and easily with the Enterprise Machine is a convert to the new method at once. Consequently these machines are in use in thousands of kitchens for chopping sausage, mincemeat, hash, scrapple, Hamburg steak, hog's head cheese, croquettes, chicken and lobster salad, also for chopping suet, tripe, codfish, clams, vanilla beans, scrap meat for poultry, corn for fritters, stale bread and crackers for crumbs. The makers send for 4 cents in stamps "The Enterprising Housekeeper," a useful book containing 200 choice recipes.

THE OLD SAUMENIG.

A good incubator is the foundation of successful poultry keeping. The many users of the old Saumenig incubators, formerly made in Springfield, Ohio, will be pleased to learn that the firm manufacturing them is now located at Racine, Wis., and is putting out a better line of incubators than ever, known as the "Racine Saumenig." The company is now housed in an up-to-date factory, and is known as the Racine Hatcher Company. They will send their book "Poultry Pointers," for a 2-cent stamp if you mention this paper. Please refer to their ad, in another column.

STAR INCUBATOR AND BROODER

Among the host of favorable voluntary letters received by the Star Incubator and Brooder Co., of Bound Brook, N. J., is the following:

TOPEKA, KAN., Aug. 19, 1899.

STAR INCUBATOR AND BROODER CO.,
Bound Brook, N. J.

GENTLEMEN: As the hatching season is now over, I desire to report to you that the five (5) Star Incubators now in use in my plant have been most thoroughly tested the past season and have given the best of satisfaction. The results have been excellent and the percentage of hatches from my machines above any others reported around this part of the country, where nearly every machine made is represented. The Star has taken the lead and is surely guiding the wise men to the East, where they can get the Star Incubators and Brooders, and in so doing they will make no mistake, as they are the simplest to run, the easiest to control and in all respects the most successful machines that I have ever seen or operated, and my experience extends over a period of ten years, during which time I have handled many machines. Yours truly,

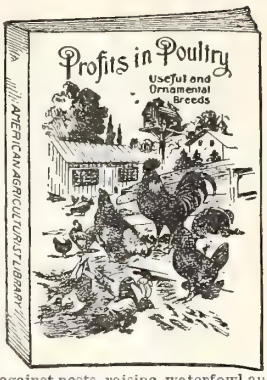
E. C. FOWLER, Prop.

We commend this business concern to readers of A. P. J. Please name this magazine when you write them.

E. H. Epperson, Champagne, Ill., B P. Rocks and M. B. Turkeys, reports some "crackerjacks" in his young stock. The flocks are doing finely.

"The Best Poultry Book on the Market."

Profits in Poultry.



352 Pages, 5 1-2x7 1-2 inches, 154 Illustrations, Illuminated Cover, and 18 Color Plates of Cochins, Brahmas, Malays, White and Brown Leghorns, Plymouth Rocks, Leghorns; Golden, Black, and Silver Hamburgs; Rouen and Pekin Ducks; Toulouse Geese; Golden Spanish and Black Polish; Grey Dorkings, Red Games and White Bantams.

By JAMES RANKIN, P. H. JACOBS, T. M. FERRIS, BURR KNAPP, W. H. RUDD, and others. Edited by the Poultry Editor American Agriculturist.

This new, revised and enlarged edition of what has always been recognized as the standard work on poultry, is nearly one-third larger than any previous edition, and has been fully brought up to the requirements of the present day. The ways and means by which eggs or poultry can be grown at a profit are discussed in great detail.

The chapter on artificial incubation alone is worth many times the price of the book to anyone engaged in poultry raising as a business. Care of chicks, diseases and their treatment, feeding and care for eggs, or for meat, building coops and houses, caponizing, marketing, warfare against pests, raising waterfowl and ornamental poultry, are described at length. The reference matter and tables are a special feature of the book. Experience of breeders and poultry farmers has been drawn upon freely, resulting in that breadth of view which can be obtained only by comparison of successful methods in actual practice.

OUR GREAT FREE OFFER, This great work was never before sold for less than $1, but we have printed an enormous edition (paper covers), and will send it to every subscriber to the weekly American Agriculturist for three months, on receipt of only **35 cents** postpaid, provided you mention where you saw this ad. This offer is to new subscribers only. Everybody knows the sterling merit of this great agricultural weekly (formerly monthly). Its poultry department alone is worth the year's subscription price. It is now published in three editions. You get the western edition (Orange Judd Farmer of Chicago) if you live in the west; the American Agriculturist edition if you live in the middle or southern states and the eastern edition (The New England Homestead of Springfield), if you live in N. E. or the Provinces.

Send 35 cents in silver or stamps; the book will follow in a few days, and for three months the edition of the American Agriculturist circulating in your own state, containing the markets and special local features characteristic of your section. Address

ORANGE JUDD COMPANY, 52 Lafayette Place, New York.

WHAT'S IN A NAME?

Well, there is $100.00 In the Right one for Somebody....

ON JANUARY 1st, 1900, THE NAME OF THE

WESTERN GARDEN and POULTRY JOURNAL

OF DES MOINES, IOWA,

Will be changed. There are reasons for this. The name is too long, and there is no "garden" about the paper, the chickens having scratched that part out some time ago. Its a poultry journal entirely, and if we say its a mighty good one, too, you'll admit we told the truth after you see a copy. We want a new, original, and attractive name, and are willing to pay $100.00 to get the right one. It must not contain more than three words, and the shorter they are the better. Now get your thinking cap on and let us hear from you. There will be ten prizes as follows:

FIRST PRIZE	—A 200 egg Successful, Reliable or Prairie State Incubator, say which you prefer	$ 28.00
SECOND PRIZE	—A 100 egg Klondike Incubator	18.00
THIRD PRIZE	—A Hunting Case, Gold Filled Elgin Watch, guaranteed for 20 years	25.00
FOURTH PRIZE	---CASH	10.00
FIFTH PRIZE	---1 BONE CUTTER	10.00
SIXTH PRIZE	---CASH	5.00
SEVENTH.	Eighth, Ninth and Tenth prizes—One copy each NEW REVISED STANDARD	4.00
	TOTAL - - -	$100.00

A committee who have no interest in the matter, will award the ten prizes as above, and from the ten names thus selected, the editor reserves the right to choose the one which the paper will bear in the future. All taking part in contest will be notified as to the result by mail, on December 1st. **EVERY COMPETITOR** must fill out and mail before November 30, the coupon at bottom of this ad, enclosing 50c for one year's subscription to the paper. Those who are now subscribers can have their time extended one year. Sample copies sent anywhere on request.

WESTERN GARDEN AND POULTRY JOURNAL
DES MOINES, IOWA:

Enclosed is 50c for one year's subscription to your paper. The best name for it is:

_____

Signed.....

P. O.....State.....

EMPIRE STRAIN WHITE PLY. ROCKS.

No Culls. Eggs and stock all the year.

B. P. Rocks, Buff Wyandottes, Buff Cochins.

Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

E. M. DURHAM, LaPlata, Mo.

REV. JOHN HUGHES, Table Grove, Ill.

White Plymouth Rocks.

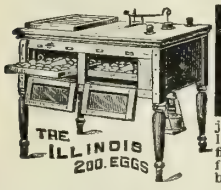
Also Barred Plymouth Rocks and Buff Cochins. Stock as good as the best—no exceptions.

They Got Their Money's Worth

has been the verdict in the past

The quality of chicks this season is even better than ever before. I have for sale 50 yearling and two-year-old hens; also 1000 chicks, produced by that champion sire **MARKUS** 92½, his sons, Ideal and Victor K., 93 and 92½, and four other males bred along the same lines. If you are looking for size and style in birds, with barrings that are second to none, address the exclusive breeder of Barred Rocks for circular and prices. Mention American Poultry Journal.

O. L. KING, Walnut Grove, McDonaugh Co., Ill.



ILLINOIS INCUBATORS AND BROODERS

are sold under a positive guarantee to be perfect hatchers and brooders. These are among the reasons why—Because the Incubator is perfect in the proper application of heat; because it is perfect in ventilation; perfect in control of moisture; perfect in size of egg chamber and has a perfect nursery for chicks just hatched. This same degree of perfection applies to the Brooder also. This Incubator is **packed with asbestos** and completely **incased in iron,** making it **fire proof** and impervious to sudden changes in temprature. Made in several sizes, from 50 egg up. Don't buy an incubator or Brooder until you get our **FREE** book, **"ILLINOIS."**

J. H. JONES, Box 55, STREATOR, ILL.

ROUP CURE GUARANTEED, ROUP

CONKEY'S ROUP CURE—the only remedy positively known to cure Roup in all its forms as long as the fowl can see to drink. Simply put the cure in drinking water and the fowl will take its own medicine. **For Canker,** especially in pigeons, this remedy excels all others. One 50c package makes 25 gallons of medicine. **Directions** with every package. If this fails to cure we refuud the money. Postpaid, small size, 50c; large size, $1. Petaluma Incubator Co., Petaluma, Cal., Pacific Coast Agents.

AGENTS WANTED. G. E. CONKEY & CO., CLEVELAND, OHIO.

Please mention this paper. Do not send stamps.

RIGG'S LINE BRED 1874 SINCE HOUDANS

STANDARD OF HOUDAN EXCELLENCE IN AMERICA.

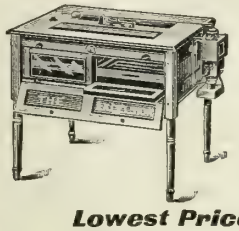
Breeding Stock. Am prepared to supply extra choice young stock, sired by "St. Elmo," also by "Imp" and by sons of "St. Elmo."

Exhibition Stock. Owing to my engagements as Judge I shall not exhibit the coming season. Can furnish winners.

Sec'y American Houdan Club. THOS. F. RIGG, Iowa Falls, Iowa.

Hatch Chickens by Steam,

with the simple, perfect, self-regulating

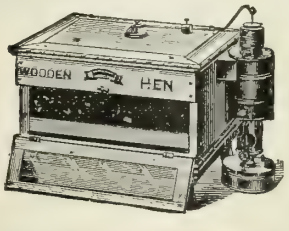


Excelsior Incubator,

Thousands in successful operation. Guaranteed to hatch a larger percentage of fertile eggs, at less cost, than any other hatcher.

Lowest Priced First-class Hatcher Made.

THE WOODEN HEN,



The most efficient incubator for raising poultry on a small scale ever invented. A perfect hatcher—automatic, self-regulating, thoroughly constructed, fully guaranteed.

50-egg Capacity.

Catalogue free.

GEO. H. STAHL,

Patentee and Sole Manufacturer,

114-122 S. 6th st., Quincy, Ill.

THE COMBINATION INCUBATOR

Is the latest and best thing out, made by the oldest and most reliable incubator factory in the U. S. We call this the incubator of our life, because we have had to accomplish two hard things in making it, best quality, lowest price; either one singly is easy; both combined—well, we do not need to say it was hard to do. But we have done it. If you are interested write for particulars. Book on roup, how to cure and prevent, 50 cts. Testing and hatching chart, $1; both at once, $1.25. 100-page catalogue of incubators and brooders, 5 cts. or stamps

J. L. Campbell,

West Elizabeth, Pa.

LOOK! 140 acre farm, 1500 cords wood and timber; keeps 20 head of cattle; can set 2000 sugar buckets; 12 room house, large barns, new sugar house, running water, lot of fruit; R. R. village, acadamy 3½ miles. Price $1100. Gunn & Co., "The Hustlers," Marlboro Depot, N. H.

Black and White Minorcas.

That have won first prizes in 1899. A few fine breeding and exhibition cockerels left at $2 and $3 each. Eggs in season at $1.50 and $2 per 13. Satisfaction guaranteed or your money back. Send for circular to

H. D. PAGE, Ira, Cayuga Co., N. Y.

Buff Plymouth Rocks.

Pure Nugget Strain only.

Indiana State Fair winners, 1898. Won 1st and 2d cock, 2d pen, on 4 entries. I have a choice lot of young birds, bred from my prize-winners. Some fine yearlings for sale at reasonable prices. Write your wants. Member Am. Buff Rock Club.

MRS. E. I. REYNOLDS, Haskells, Ind.

Fine Young Stock For Sale in

White Wyandottes and Black Langshans.

Cockerels $1.50 to $4. A few fine trios left at $5. My birds are vigorous; have 13 acre range. Correspondence a pleasure.

Hickory Heights Poultry Farm,

H. H. FIKE, Prop., Worth, Ill.

Pekin Ducks and Live Pigeons WANTED.

Highest market price—no commissions charged, no deductions. Coops furnished free. Stamp for reply.

G. M. FISH, Joliet, Ill.

MONEY IN HONEY!

The Weekly American Bee Journal Tells all about it.

Sample Copy Mailed Free

G. W. YORK & CO.

118 Michigan St., CHICAGO, ILL.

Fancy Pigeons For Sale.

Pouters, Archangels, black, white and blue Fantails, black, white, blue, yellow Muffed Tumblers, Black and Red Magpies, Red Jacobins, Black Trumpeters, Black Swallows, yellow and light blue Helmet Tumblers. I just received 24 prizes on 25 pairs of my pigeons at the largest poultry and pet stock exhibition held in the West at Cedar Rapids, Iowa, 500 pigeons in competition. I also won the Niles special prize and sweepstakes for finest collection of fancy pigeons. Prices way down. Address

P. NEWCOMB, box 355, Cedar Rapids, Iowa.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

The "RINGLETS" SOAR STILL HIGHER!

1st Prize Pullet at New York.

At New York the World's Record of

E. B. THOMPSON'S BARRED P. ROCKS

Four Years in Succession, was the most remarkable ever achieved in the realm of poultry exhibitions. This record is by many points the highest ever accomplished in the **Annals of the New York Show, winning** during **four years in succession more than three times as many First Prizes** as any other exhibitior and **as many First Prizes as ALL COMPETITORS COMBINED,** including the **Superb Challenge Trophy,** value $100, for best cock, cockerel, hen, pullet and exhibition pen; **$100 Silver Cup** for finest exhibit; **Grand Special Prize, Sweepstakes Cup.** value $100, presented by the president for the best Plymouth Rock cock, cockerel hen and pullet, **any variety.**

My Clean Sweep in 1898 of 1st, 2d, 3d, 4th & 5th Prizes on Pullets

has never been approached in Madison Square Garden, and stands *alone and unequalled.* The **"Ringlets"** also hold the **World's Record** of 1st on Exhibition Pen at **New York, three years in succession.**

GRAND STOCK FOR SALE **in any number. RARE BARGAINS in Yearling Breeders.** ***Show Birds fit to win in the fastest company.*** Richly illustrated catalogue on application. Address.

E. B. THOMPSON, Lock Box 510, Amenia, Dutchess Co., N. Y.

Mammoth Bronze Turkey Farm,

Home of the Famous

National Strain of Mammoth Bronze Turkeys,

which have won more first prizes in the past four years than all competitors combined. That too in the hottest of contests. They won **SWEEPSTAKES** at the great **SILVER CUP SHOW** at Kokomo in a class of **TWENTY-TWO BIRDS.**

A clean sweep at Indianapolis great show—1st on young tom; 1st, 2d and 3d on hen; 1st, 2d and 3d on pullet; 1st on pen and special prize for best display. January, 1899, highest honors at four other shows.

In four shows these birds won as follows: **GRAND SWEEPSTAKES TWICE; GRAND SPECIALS FIVE TIMES! FIRST PRIZES 11; SECOND PRIZES 10; THIRD PRIZES 4 and FOURTH PRIZES 3.**

These birds scored as high as 97½ by Pierce. We have young stock for sale from these birds which are sure to produce prize winners. We have satisfied customers in every State and Territory in the Union and in Canada, Australia and many South American Republics. Ask for circular and prices.

THE FAMOUS STAR INCUBATORS—We handle this excellent machine, together with a full line of **POULTRY SUPPLIES.**

Send at once for Free Illustrated Catalogue of Turkeys, Chickens, Ducks and Poultry Supplies.

SAM B. JOHNSTON & CO, Box 345, Boggstown, Ind.

BLACK LANGSHANS.

DO YOU KNOW that Dr. Robinson holds the world's record on this breed? The greatest continuation of great records at **MADISON SQUARE GARDEN,** New York, ever made by any breeder. At New York, 1899, 1st cock, 2d and 4th cockerels, 1st, 2d and 3d hens, 1st, 2d and 3d pullets, 1st 3d and 4th ex. yards; grand gold special for best Langshan. $100 solid silver cup won three times in succession. $25 challenge trophy. In last five years, **18 FIRST PRIZES OUT OF A POSSIBLE 25** at this great show. Inclose stamp for my handsome illustrated circular before placing your order. Hundreds of fine exhibition and breeding birds for sale at reasonable prices.

DR. F. M. ROBINSON, box 333, Pawling, New York.

At the Great St. Louis, Mo., Fair, '99,

FISHEL'S

White Plymouth Rocks

won 1st and 2d prize cock, 1st and 2d prize hen, 1st and 2d cockerel, 1st and 2d pullet, 1st and 2d pen. **A CLEAN SWEEP.** There never was such a record made by any White Rock breeder.

AT GREAT CHICAGO JOINT SHOW, '99, my birds won 1st, 2d and 3d prize cockerels, 1st pen and the American White Plymouth Rock Club cup, the most coveted prize offered.

AT INDIANA STATE FAIR I won 1st cock, 1st hen, 1st and 2d cockerel, 2d pullet, 1st pen. They are winning prizes all over the world in the hands of my customers.

BRONZE TURKEYS (St. Louis winners) TOULOUSE GEESE (Indiana State Fair winners.)
and PEKIN DUCKS.

1500 Select Birds For Sale 1500

at prices that will sell them. If you want the best write me. CIRCULAR FREE.

U. R. FISHEL, Box A., Hope, Ind.

Ex-President American White Plymouth Rock Club.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

You Will Find It on Page 483. Don't Miss It.

Vol. 30. *December, 1899.* *No. 12.*

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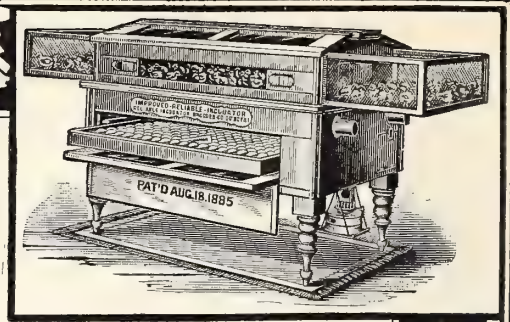
AMERICAN POULTRY JOURNAL

Published by
MORGAN BATES & CO.,
325 DEARBORN ST., CHICAGO.



HATCHING DOLLARS

Whether you hatch dollars or failure—whether you make money or lose money—depends entirely upon how you go about the poultry business. If you start right and keep right, failure is impossible. Let us start you right. Let us help you keep right. Our

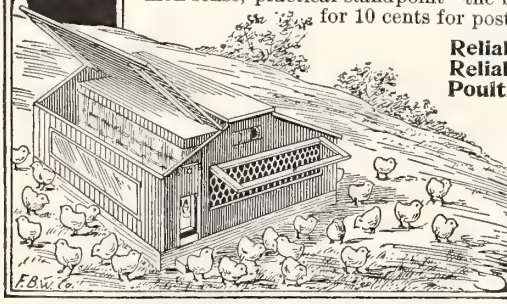
RELIABLE INCUBATORS AND BROODERS

are the right start. **THEY ARE PERFECT MACHINES.** Thousands upon thousands of money-making poultrymen use them, and could not be persuaded to use any other. All sizes and prices from the 50-egg **SPECIAL BANTLING FOR $5.00** up. Let us send you a copy of our

20th Century Poultry Book

which tells all about "keeping right"—it treats every phase of the poultry question from the common-sense, practical standpoint—the best general treatise on poultry ever printed. We will send it for 10 cents for postage. **Worth Dollars** to any one interested in poultry raising.

Reliable Exhibition Coops are the best, lightest and neatest.
Reliable Copper Pliant Leg Bands are unsurpassed.
Poultry Supplies of all kinds.



Reliable Incubator and Brooder Co.
You will see them at the Paris Exposition in 1900. **Box A-1, Quincy, Ill, U.S.A.**

Silver Laced Wyandotte

EGGS.

My yards contain the winners from Dubuque and Galena, Poultry Shows, Dec. '98. At Dubuque 1st cock, 1st hen, 1st and 3d cockerel, 2d and 3d pullet. At Galena 1st cock, 1st hen, 1st, 2d and 3d cockerel, 2d and 3d pullet, and 1st and 2d pen scores, 90 to 93¼. Eggs $2. per 13 straight.
F. J. HOELTING, Galena, Ill.

Mammoth Bronze Turkeys.

Big Bone, Fine Plumage.

Light Brahmas, B Ply. Rocks and S. C. Brown Leghorns, that will please you. Belgian Hares, three months old, $1.50 per pair.

GEO. O. ANDERSON,
Rushville, (R. R. B.,) Ind.

Poultry Yards of U. G. McAdam,

Wenona, Illinois,
Breeder and shipper of the following:

Light Brahmas, Buff Cochins, Barred Plymouth Rocks, S. L. Wyandottes, White and Golden Wyandottes, Black Minorcas, Silver Spangled Hamburgs, R-c. W., R-c. B. and S-c. B. Leghorns, Buff Turkeys. Eggs in season. Some very fine birds for sale later on.

Oak Hill Poultry Farm White Wyandottes.

We have some very choice young stock coming on, that will win in the show room. Write us your wants.

Fred Keith & Son,
Lansing, Mich.

Breed to Winners.

My Light Brahmas and Single Comb White Leghorns have been carefully and systematically bred for years. They have been winners wherever shown for many seasons. If you want the RIGHT KIND let me hear from you.

MRS. J. J. BUCHAN,
P. O. Box 207, Pierson, Iowa.

"LIKE BEGETS LIKE."

THAT'S what our Barred Plymouth Rocks and Mammoth Bronze Turkeys have been doing, **WINNING 40 REGULAR PREMIUMS** (including 16 firsts) at seven shows in 1896-97-98. Besides our own winnings **BIRDS IN THE HANDS OF OUR CUSTOMERS WON** in four shows last winter. Our Turkeys have never been beaten in the show room, and are grand in size as well as markings. One of our winning toms at Princeton last year, and the sire of most of our this year's breeders, weighed **48 POUNDS** in the show room. If you want good breeders or show birds we have what you are looking for. Write for prices and description of stock. Satisfaction guaranteed.

MYER BROS., - - MALDEN, ILL.

Wyckoff's White Leghorns.....

America's Business Hen.

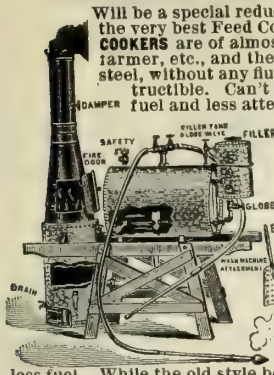
As the result of nearly 20 years continuous study and careful attention to their breeding and selection, they stand to-day unexcelled in standard qualities; unequalled in size, strength and vigor, and acknowledged everywhere **THE WORLD'S GREATEST LAYING STRAIN OF SINGLE COMB WHITE LEGHORNS.**

The present season's offering consists of over 1000 choice birds, comprising most of my fine stock of 1898 hatched hens, together with a grand lot of this season's fine, strong, early cockerels; altogether one of the best lots ever offered from my yards. Prices very low, quality of stock considered, and anyone in need of either single birds, pairs, trios, or any sized breeding pens, will make no mistake by investing here. Can furnish cockerels and hens not closely related, or the same not related to former stock sent out from my yards. When convenient for them to do so I shall be pleased to have intending purchasers visit my yards and examine stock before buying. When writing please state, as near as possible, the number and quality of birds wanted.

Large illustrated and descriptive circular free. Address

C. H. WYCKOFF,
Box 314, Groton, N. Y.

OUR SPECIAL CHRISTMAS OFFER TO BREEDERS AND FANCIERS.



Will be a special reduced price for fifteen days only. Here is an opportunity to secure the very best Feed Cooker and heater made at a very low price. Our **RELIABLE FEED COOKERS** are of almost inestimable value to the breeder, fancier, broiler farmer, duck farmer, etc., and the man who feeds fowls for the market. Made of best galvanized steel, without any flues to rust, leak or burn out, it lasts long and is practically indestructible. Can't burst because of a positive self-acting safety valve. Requires less fuel and less attention than any cooker made. Splendid for heating poultry houses. Read what this man has to say about it in comparison with others and then write us for above **special prices** and other matter. **Our Cooker in the hands of a man without hands.**

CHARLES K. ADAMS,
BREEDER OF THE LEADING VARIETIES,
STOCK AND EGGS FOR SALE.
IMPERIAL PEKIN HEAVY WEIGHTS.
CORRESPONDENCE SOLICITED.

North Morenci, Mich., Nov. 6, 1899.

Rippley Hardware Co., Grafton, Ill.

Gentlemen:—During the past twelve days I have been giving the Feed Cooker made by you a test as to its real merits and find that it does all you claim for it and more too. I have run it along side of the ordinary boiler cooker and find I can cook double the amount of food in one-fourth less time and with less fuel. While the old style boiler constantly requires the attention of some one to keep stirring the contents so they would not scorch or burn, all the attention required by the Reliable was to replenish the fire twice while cooking food enough for 20 Hogs. I would also say that I have personally operated your cooker myself which shows that it is an easy Cooker to run, as I was **born without hands,** and if one in that condition can operate it certainly a man who has full use of his hands can easily manage it. Yours respectfully, CHARLES K. ADAMS.

NOTE—Mr. Adams, though born without hands, is one of the most progressive farmers of Lewanee Co. and a man who values integrity.—R. H. Co.

The **RELIABLE FEED COOKER** will be shown in operation at the **CEDAR RAPIDS, ST. LOUIS and CHICAGO POULTRY SHOWS.** Do not fail to see it. **RIPPLEY HARDWARE CO., Box 11, Grafton, Ill.**

..USE.. **HECKEY NEST BOX** ..THE..

Join the *advancing* throng of practical wide-awake and up-to-date poultrymen who are using it and march steadily forward to success. The *Heckey* has revolutionized the poultry business and made the science of *Pedigree* and *Utility* breeding a *positive certainty;* as it overcomes all defects in, and objections to past similar inventions and combines in itself the *two* necessary qualifications (simplicity and accuracy) of a *perfect box.* It is inexpensive, easily constructed and operated, and is an absolute necessity in the yards of every poultryman, fancier or marketman. I sell the plans. The price is right and the box is *guaranteed* to operate in a practical and satisfactory manner or your money will be refunded. Read my *Free special introductory premium offer.*

WANTED

Every Poultryman in the United States to act as my *mail order* agent for this most valuable and useful invention. *You* can, under *my new Plan* make *big money* and you need not invest a single penny. Also state, county and local agents everywhere. Seven hundred per cent (700 per cent) profit. *This* is a *rare* chance for *you* to make *money* easily and rapidly. Get an agency *now* Go to work and *coin money.* I offer *you Free* a *grand special agents' premium.* My little *booklet* "**Heckey Nest Box Facts,**" will tell you all and put you on the road to success. *Write* for it (enclosing Three-one cent stamps) *at once* and receive it by return mail. Awaiting your pleasure, I am Yours for success,

J. P. HECK, PITTSFIELD, ILLINOIS.
LOCK BOX 35.

Meadow Glen Yards and Herds.

Extra choice Jersey cattle, Birkshire and Yorkshire swine of all ages always for sale at reasonable prices. Eggs for hatching from choice pens of all varieties of Brahmas, Cochins, Plymouth Rocks, Wyandottes, Games, Minorcas, Black Spanish, Leghorns, Langshans, Polish Bantams, Ducks and Guinea fowls $1.50 per 15 carefully packed in baskets and fair hatch guaranteed. Eggs from Mammoth Bronze, White, Black and Buff Turkeys, Toulouse, Embden, Brown and White China Geese, Buff Geese and Pea fowls 25c. each, 9 for $2.00. Try some hardy breeding stock from the Northwest. 200 selected farm raised birds of the above breeds for sale at $1.50 to $2 each for fowls and $2.50 to $3.50 for Geese, Turkeys and Pea fowls. Order now and get first selection, satisfaction guaranteed and only the best shipped on mail orders. I will prepay express on all orders for $12 and over.

W. A. HOYT,
WHITEWATER, WIS.

White Wyandottes? As good as can be bought are being selected for our next years breeding pens

We are booking Egg orders now, $2.50 per sitting of 15. 30 for $4.50.

Only a few pairs left will be sold low to secure the room. **Buff Cochin Bantams?**

Eggs in season for $1.50 sitting, 13. These birds are true Cochin shape, well feathered and buff to the skin.

G. C. FLEGEL & SON, Westville, Ind.

BUFF ROCKS **ONLY.** Write if in need of cks. or pullets. I have some grand young stock for sale. Early hatched, from as good blood as you can find. Full description of stock by asking. As represented. Your money back if not, **W. E. RUSSELL, 218 West Main st., Danville, Ill.**

$5,000 POULTRY CATALOGUE FREE!

It is without a rival. Gives lowest prices of fowls and eggs. Over 50 breeds Turkeys, Geese, Ducks and Chickens. Hundreds of plates from life. 15 best poultry house plans. Treatise on diseases, how to feed, breed, etc. Send 10c. for postage.
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HENS TEETH (Rocky Hill Grit)

The best grit known. Does not crumble or go to dust; it's all grit. Every surface cuts and grinds. Better than oyster shells; goes 3 times as far. Club together and get wholesale prices.

One Ton	$7.00
Half Ton	4.00
100 lbs (1 bag)	.50

Rocky Hill Grit Wks. Milford, Mass.

POULTRY SUPPLIES

Mica Crystal Grit,	Per 100 lbs.	$ .75
Crushed Oyster Shell,	Per 100 lb. bag,	.75
Ground Bone,	Per 100 lb. bag,	2.00
Pike's Lice Destroyer, per gallon,		.75

We make lower prices for large quantities. Send for Descriptive Circulars.

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SPRAGUE COMMISSION CO.,
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This is the way they tumble out when good fertile eggs are placed in a

MONITOR INCUBATOR

They are made to hatch chickens, and they do it with great regularity and economy and with the smallest amount of attention. Hundreds of users testify these facts. Large percentage of live chicks from fertile eggs is their strong feature. Buy the profit winning **MONITOR** and be prosperous. Large catalogue for 4 cts. stamps.

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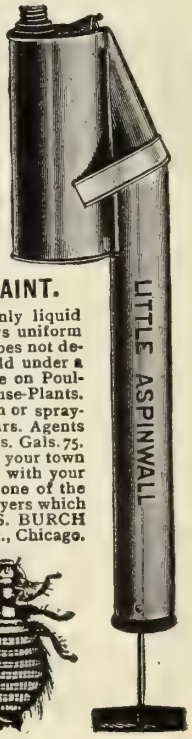

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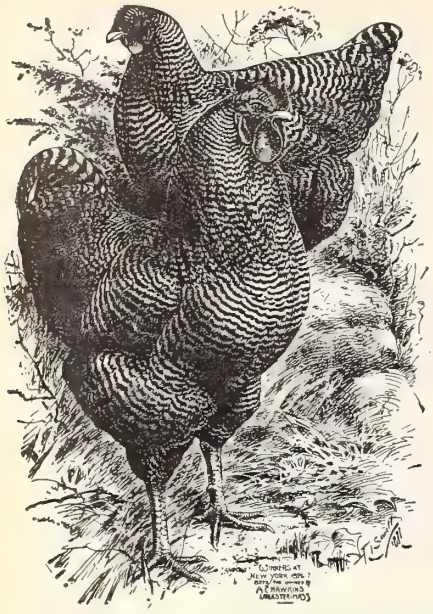
The original, and only liquid lice-killer that is always uniform in strength and that does not deteriorate with age. Sold under a guarantee to kill all lice on Poultry, Live-stock and House-Plants. Easily applied by brush or spray-pump. Send for circulars. Agents wanted. Half-gals. 50 cts. Gals. 75.

If we have no agent in your town we will send you free, with your first order for a gallon one of the famous Aspinwall sprayers which sell at $1 00 each. F. S. BURCH & CO. 182 Michigan St., Chicago.



Winners at New York, sketched from life.

HAWKINS'

ROYAL BLUE STRAIN

PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, SILVER WHITE AND BUFF.

SHOW BIRDS
THAT CAN WIN IN ANY COMPETITION.

Have won more Prizes at the Leading Shows of America and England than all others. My matings for 1899 have proved a grand success.

At the Great National Show, WASHINGTON, D.C., in **hot competition** with over **300 birds** of these varieties, the best that could be found regardless of price, I won **45 Regular and Special Prizes on 39 Entries,** including **First Prize on Breeding-Pen in each variety, Special for Best Display in the American Class, Special for Best Exhibit of Plymouth Rocks, Sweepstakes Special for Best Cockeral in the show** (Bantams excluded), and this on my **First Prize Barred P. Rock Cockerel.** My winning White Wyandotte cock was pronounced by the judges to be the **best they had ever seen.** I won twice as many first prizes as **all other exhibitors** of these varieties. My **BUFF ROCKS, at BOSTON,** 1899, in hot competition, won **more first and special prizes than all others.** My customers are winning all over the country. If you want the **BEST,** write me. Hundreds of **Choice Exhibition** and **Breeding Birds** at **honest prices.** Catalogue of America's finest **Plymouth Rocks** and **Wyandottes free.**

A. C. HAWKINS, Lock Box 25 Lancaster, Mass.

CORNELL'S LEGHORNS,

at New York, Feb. 1899, were again Awarded the Highest Honors.

My **S. C. WHITE LEGHORNS** winning the American Leghorn Club cup for the best exhibit, besides winning first prize for the **BEST BREEDING PEN;** also **EVERY FIRST PRIZE** offered on male birds—1st cock, 1st cockerel, 1st pen and cup for best exhibit. Besides this grand record my White Leghorns have been exhibited by me at the Great New York show with uniform success since 1893.

My **BUFF LEGHORNS** are **CHAMPIONS OF THE EAST** and to day lead all other strains of this variety. They have won **1ST ON BREEDING PEN** for the past **THREE CONSECUTIVE YEARS.** No other breeder of Buff Leghorns has ever won 1st on breeding pen for so many consecutive years at New York. Besides this, I won 1st cock, 2d cockerel, 2d and 3d hens, 1st and 2d pullets and the **AMERICAN LEGHORN CLUB CUP** for best exhibit.

A Few Choice Golden Penciled Wyandotte Cockerels from my New York Winners.

CATALOGUE.

EZRA CORNELL, Ithaca, N. Y.

Black and White Minorcas.

That have won first prizes in 1899. A few fine breeding and exhibition cockerels left at $2 and $3 each. Eggs in season at $1.50 and $2 per 13. Satisfaction guaranteed or your money back. Send for circular to

H. D. PAGE, Ira, Cayuga Co., N. Y.

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It is without a rival. Gives lowest prices of fowls and eggs. Over 50 breeds Turkeys, Geese, Ducks and Chickens. Hundreds of plates from life. 15 best poultry house plans. Treatise on diseases, how to feed, breed, etc. Send 10c. for postage.

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SMITH'S BUFF WYANDOTTES.

We have raised 300 chicks this spring, all sired by the first prize cocks and cockerels at Chicago and Detroit shows, '98 and '99, that will be ready for fall shipment. Now is the time to buy choice breeders. Send for circular. Smith strain is the best. Get the best. We keep them.

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W. WYANDOTTES—PEKIN DUCKS.

The Kind that Stay White.

WHITE WYANDOTTES — Especially strong in color—the stay white plumage—combs and size.

PEKIN DUCKS — Our Ducks are extremely large, with deep keel and the much desired Standard beaks. They are long bodied and white—pure white. Breeding and exhibition stock always for sale.

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The $5.00

Hand Bone, Shell and Corn Mill.

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Send for circulars and testimonials.

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REV. JOHN HUGHES, Table Grove, Ill.

White Plymouth Rocks.

Also Barred Plymouth Rocks and Buff Cochins. Stock as good as the best—no exceptions.

Phœnix Poultry Yard.

Saturday, Feb. 4th, I had my entire stock of Lt. Brahmas, Blk. Langshans, S. L. Wyandottes Buff, Barred and White P. Rocks scored by Chas. McClave and as a result found 96 birds that run from 90 to 94. I have several that score 94½ by such judges as B. N. Pierce, F. J. Marshall and W. M. Clark. Examine my show record at Cincinnati and Portsmouth, O. Write me for prices on stock and eggs. Satisfaction guaranteed. Ten for a hatch or duplicate at half price. Chicks two weeks old 25 cts. each.

MRS. J. H. OREBAUGH, Box 7, Batavia, Ohio.

For Sale.

Five hundred head of "stay white" White Wyandottes, White Plymouth Rocks, prolific layers of nice brown eggs; Barred Plymouth Rocks and Houdans, that will make good breeders and sure winners. Prices reasonable. Write us your wants and get our prices before placing your order elsewhere. Always mention A. P. J.

OLD HONESTY POULTRY YARDS, Rockford, Ohio.

A. J. BARGAHISER, Prop.

Turkeys *the Mammoth Bronze.*

Early 1899 hatched gobblers during the month of October at **$2.50 Each.**

$3.00 Each after Nov. 1st.

FOR SALE—7 pullets and 6 cockerels Felch Light Brahmas; the lot for $15 or $1.50 each. 12 B. B. R. G. Bantam pullets, $10 or $1 each. These are bargains. Want to close them out for want of room. Satisfaction guaranteed. Mention A. P. J. Address

G. N. KERSTEN, Chilton, Wis.

Also Breeder of B. P. Rocks and White Wyandottes.

Choice Stock at Cut Prices.

We are now offering an especially choice lot of breeding stock of the finest varieties, selected from our breeding pens containing the largest stock of pure bred fowls in the country. The prices quoted are for good breeding fowls: we do not ship culls at any price. All stock goes through the hands of an experienced poultry judge before it goes out.

REMEMBER

we guarantee everything we ship, and refund the money if not exactly as represented.

THESE PRICES

are a special inducement to the readers of this paper and are for the month of December only.

THE STOCK

All mated for best results and will give you a fine lot of fowls.

PRICE LIST.

	Single Birds.	Pairs.	Trios
Lt. Brahmas Pen 1.	$4 00	$7 00	$10 00
" " Pen 2.	3 00	5 00	7 00
B. P. Rocks Cockerel Breeder.	3 00	5 00	7 00
" " " Pullet Breeder.	3 00	5 00	7 00
Partridge Cochins	3 00	5 00	7 00
Buff Cochins	3 00	5 00	7 00
White Pl. Rocks	3 00	5 00	7 00
Buff Pl. Rocks	5 00	10 00	13 00
Black Javas	3 00	5 00	7 00
Langshans	3 00	5 00	7 00
Silver L. Wyandotte	3 00	5 00	7 00
Golden L. "	3 00	5 00	7 00
Black Minorcas	3 00	5 00	7 00
Red Caps	3 00	5 00	7 00
S. C. Br. Leghorns	2 50	4 00	5 75
" White "	2 50	4 00	5 75
Rose C. Br. "	3 00	5 00	7 00
" " Wh. "	3 00	5 00	7 00
Buff Leghorns Pen 1.	5 00	9 00	13 00
" " Pen 2.	3 00	5 00	7 00
S. S. Hamburgs	3 00	5 00	7 00
Sherwoods	5 00	9 00	12 00
Indian Games—Imp.	4 00	7 00	10 00
Pekin Ducks	3 00	5 00	7 00

Our New Century Poultry Guide.

By far the biggest and best poultry book and catalogue we have ever issued. Contains all about the care of poultry so as to get money-making results. Valuable recipes, plans for poultry-houses, how to get eggs, illustrations of different breeds taken from life, and a full description of the largest and most successful poultry farm in the country. It is worth $25. to any one interested in poultry: We send it for 15 cents to pay postage and mailing.

JOHN BAUSCHER, Jr.

BOX 130. **FREEPORT, ILL.**

Rose-comb Brown Leghorns
Exclusively.

Cockerels for sale from Chicago winners, $1 and $2 each.
C. J. LANCASTER, Maywood, Cook Co., Ill.

SOME EXTRA FINE **BARRED PLYMOUTH ROCK** stock for sale. Satisfaction or money back. Some of the most promising youngsters I ever raised. **E. F. PEIRCE,**
Care Rural Delivery. **Port Clinton, Ohio.**

PARTRIDGE COCHINS—EXCLUSIVELY—At Detroit Show, Jan. 3 to 8, '99, Sharp Butterfield judge, I won 1, 2, 3, 4 cocks, 93¾, 91½, 90½, 90¼; 1, 2, 4 hens, 93½, 92¾, 92¼; 1, 2, 3. 4 ckls., 94, 93, 93, 91½; 1, 2, 3, 4 pullets, 95, 94,¼ 94, 93¾; 1, 2 pens, 189 1-16, 187 1-16. Choice stock for sale.
JOHN C. STELLWAGEN, Wayne, Mich.

Another Bargain!

For 30 days I will send a box of Eaton's Poultry Pills for 10c, regular price 20c. This is to more thoroughly introduce them. Send for Vest Pocket Edition "Why Keep Poultry." Free. I am now booking Buff Leghorn egg orders.
W. H. EATON,
West End Poultry Yards. **Jackson, Mich.**

Welch's S-c. B. Leghorns.
Prize Winners Wherever Shown.
Celebrated Brace and Walling Strain.

Have bred them 7 years. None better. *Chicago Winner*, cockerel in 1898 to head my yards mated to pullets scoring not less than 93. As a cock he won 1st prize at Cent. Mich. show 1898, score 93½. Breeding stock for sale at reasonable prices. *Eggs $2 per sitting from pen No. 1; 2 for $3.50; 3 for $4.50.* From other pens, *$1.50 per sitting; 3 for $3.50. Satisfaction guaranteed.*
J. C. WELCH, WEBB CITY, MO.

R. B. KINNETT,
—BREEDER OF—
B. P. Rocks, S-c. B. Leghorns and Buff Cochins.

Central Illinois Poultry Show, 1898, B. N. Pierce, judge: Br. Leghorns—1st and 3d ckl., scores 94, 92½; 1st, 2d and 3d hen, scores 94, 94, 93; 1st, 2d and 3d pullet, scores 94, 94, 94; 1st and 2d breeding pen, scores 188, 185¾. B. P. Rocks, 2d hen, 91½. Buff Cochins, 1st hen 92½. Stock for sale. Eggs $2.50 per 13. ***Chapin, Ill.***

GOLDEN WYANDOTTES, Exclusively.

"The beauty bred." All stock of high merit. Product of our 1898 matings finer than ever. At Illinois State Show 1898 won 1st cockerel, 2d cock, 1st and 3d hen, 3d pullet and 2d pen. At Springfield, Ill., Jan. 1899 won every first prize in the class, including 1st, 3d and 4th pullet. Some choice cockerels for sale; no more females to offer until September. Will furnish settings from three grand matings after March 1 at $2.50 pr. 15.
C. P. NELSON, (Prairie View Farm) **Danville, Ill.**

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Will sell all my large Dux, at a sacrafice; to make room for my
White P. Rox and Belgian Hares,
3 fine pens (4 Dux, 1 drake) Breeders at $6.00 per pen, others 75c and $1.00 each.
GEO. OWEN,
Box 32. WRAY, COLO.

Fancy Pigeons

Buff Cochins & S. S. Hamburgs.

F. B. F. RHODES,

AMERICAN S. & R. CO.

SOUTH CHICAGO, ILL.

WHITE PLYMOUTH ROCKS.

I have a fine lot of early hatched cockerels and pullets for sale, both Empire and Hawkins strains, bred separately and as good as can be found anywhere. They are pure white with bright yellow legs and good bay eyes. I guarantee satisfaction to all customers. Correspondence solicited. Address Paul B. Harshman, Sunny Side Poultry Yards, Sullivan, Ill.

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B. P. Rocks, B. Langshans and Light Brahmas.

Mention this journal. Address **E. B. MORGAN & SON, LODA, ILL.**

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BUY THRIFTY, FARM RAISED STOCK.
Bred From Prize Winners.

The kind that are sure to bring success. Mammoth Bronze and White Holland Turkeys, Brahmas, Cochins, Plymouth Rocks, Wyandottes, Leghorns, Langshans Polish, Minorcas, Spanish, Hamburgs, Geese and Ducks. Choice lot of young stock for sale at a bargain. Write to-day. Satisfaction or no sale.
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The Nobbiest Coop yet offered to exhibitors. ***I Ship them Complete and PREPAY THE FREIGHT.***

My "Matchless" Type **BUFF COCHINS** are the wonder of the Cochin fancy. Special circulars free.
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MEMBER AMERICAN ROSE COMB BROWN LEGHORN CLUB. R. C. B. L's ARE AHEAD

BUY THRIFTY, FARM BRED STOCK.

The kind that will bring you success.
Our Prize-winning **Rose Gomb Brown Legherns** ***Have Frost Proof Combs.***
Stock for sale. Prices right. Satisfaction or money back.
FERRIS & ZINK, Proprs. Oak Leaf Stock Farm, New Albany, Ind.
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1500 Wyandottes For Sale 1500
in Golden Laced, Buff Laced and Whites.

We have by far the finest lot of birds we ever offered. All bred from our New York and Chicago winners. They have won thousands of prizes for the past 14 years at the leading shows of the world. They have won over a hundred prizes for us at Madison Square Garden, New York. Also 37 prizes at Chicago last winter, including 19 firsts. Choice exhibition and breeding birds, all line bred, in any number, of the finest, at reasonable prices. Also America's finest Golden and Silver Sebright Bantams, imported show Belgian Hares of the correct shape and color. Fine large circular for stamp. **IRA C. KELLER, Box 75, Prospect, Ohio.**

A POSITIVE FACT!
That REEVES & JONES Have the Best

SILVER GOLDEN WHITE **WYANDOTTES,** Golden and Silver Sebright Bantams,

Is proven by their superiority in the show room. At Louisville, *Kentucky State Show*, we won first pen every variety, first ckl., first pullet each class, in hot competition. At Indianapolis, *Ind. State Show*, we won pen each variety, defeatino the *great Chicago winners*. At eight other shows, including Indiana State Fair and others too numerous to mention, all during 1899, winning in all 93 firsts and 52 seconds. Not bad for one season, is it? **A FINE LOT OF EXHIBITION AND BREEDING BIRDS FOR SALE.** Big, up to weight birds, for early shows, that will win. 50 pairs White Guineas at $2 per pair. Write us your wants. Circular for the asking.
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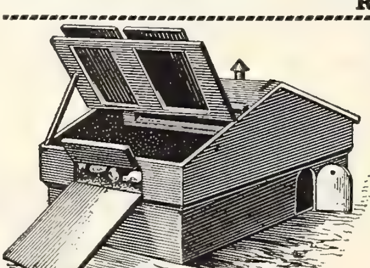

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Rain, Wind and Fire-Proof.
Can be Used Inside or Outside.

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Sold on Two Weeks Trial to any Responsible Party.

125 Chick Size, $8.00; two for $15.00. 150 Chick Size, $15.00; two for $25.00.
All brooders complete with lamps and thermometers.

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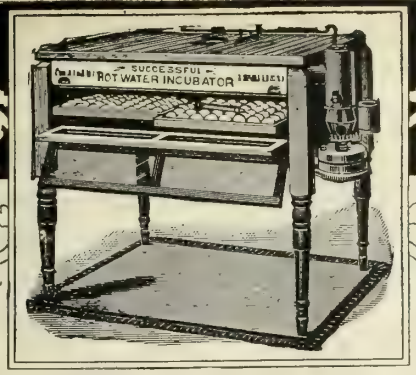

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We know everybody says that, but—well, judge us by results. Look up our record. Ascertain what our machines have done, and what they are doing. Ask the thousands of successful poultry raisers in every state of the Union who have used

Successful

Incubators and Brooders.

We are willing to stand by their decision. As an indication of the growing popularity of our machines, and popularity means merit, we may mention that it is necessary this year for us to print **our catalogue in five languages: English, German, French, Swedish and Spanish,** in order to supply the supply the large demand from Europe. People abroad are finding out that the **Successful** Incubators and Brooders do perfect work.

The Incubator Hatches Every Egg that can be Hatched.

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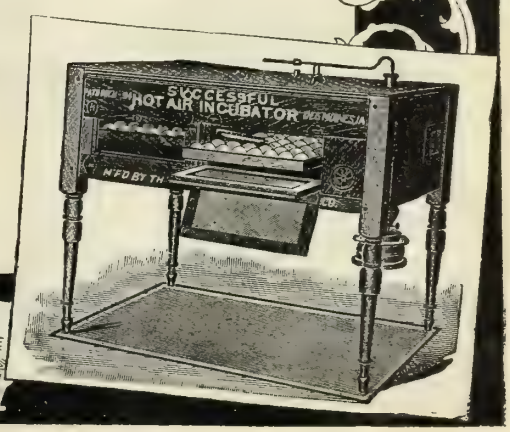
There is no loss, no annoyance. The machines work automatically, and work exactly right. We make a complete line to meet all requirements. Let us send you our book of 150 pages, profusely illustrated, describing in detail our Successful, Eclipse and Crescent Incubators and our full line of Brooders. It tells much that every poultryman ought to know about incubation. It puts you in a position to judge whether we have the best or not. Six cents postage gets it.

Des Moines Incubator Co.

Box 1, Des Moines, Iowa.

Our Hatcher.

Now here's a good hatcher—
The kind which will hatch
With the sureness of fate,
Every egg in the batch;
As a hatcher our hatcher
Hath never a match,
For it is the hatcher
Which hatcheth the hatch.



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Black Minorcas.

I have a few choice birds for sale at prices that are right.

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The Buff Rock Winners

at the Michigan State Fair were bred and owned by Dr. I. W. Houston, Marshall, Mich. In a large exhibit he took five of the eight premiums awarded, 1st and 2d ckl., 1st and 2d hen, 2d cock. Exhibition and breeding stock for sale.

I. W. HOUSTON, Marshall, Mich.

A Grand Lot of Partridge Cochins,

You must be pleased or no sale.

Grand birds from grand sires and dams. Satisfaction guaranteed. Write

Buff P. Rocks and B. B. R. Game Bantams

S. A. NOFTZGER, North Manchester, Ind.

White Plymouth Rocks.

My birds have won highest honors in strongest competition. They have no superiors,

MRS. T. R. THOMPSON,

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Black Langshans, White Rocks,

and Belgian Hares.

A fine lot of young stock will be ready for the early shows.

A. S. PARSON,
Garden City, Kas.

BUFF

Rocks, Wyandottes, Cochin Bantams, W. P. Rocks and White Wyandottes. I have some very choice young stock in the above varieties for sale. If you want birds for show or breeding stock write me for prices, describing your wants. I will try and please you. Also a few Ferrets for sale at $2.50 and $3 each or $5 per pair.

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to become successful in business depends upon your ambition. Without interfering with your present occupation, we fit you to secure an important position through

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ROOT AND VEGETABLE CUTTER.

It cuts all kinds of roots and vegetables into fine shaving-like ribbons. Are greedily eaten by all kinds of poultry, large and small. It **makes hens lay** in winter just as well as summer. Makes chicks and broilers grow and mature early. The whole story is told in our booklet, **"WINTER EGGS."** We mail it free to all inquirers.

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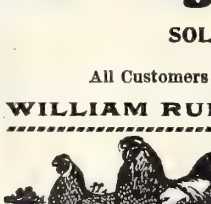

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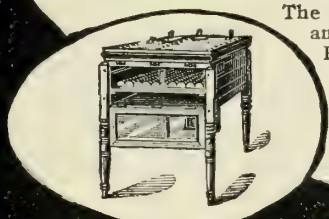

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The Best Combination Poultry Plant—By P. H. Jacobs, Editor Poultry-Keeper.

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Corn Superior to Wheat as Poultry Food——By William P. Brooks, Professor of Agriculture, Hatch Exp. Station, Amherst, Mass.

Fattening Poultry; Why Profitable and How Done—By A. F. Hunter.

Use of Incubators and Brooders on the Farm—By E. O. Roessle, Editor Poultry Department, Country Gentleman.

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All persons sending 15 cents for this book may deduct the amount from their first order to us amounting to $1 or more. In other words, the book is meant to be ***FREE*** to all our customers. This book is now ready for mailing. ***Send to-day!*** Every man and woman who is interested in poultry and means business should have a copy; ***to every such person it will be worth many dollars.*** Address nearest office, ***asking for Manual No. 5,*** entitled, "How to Make Money with Poultry and Incubators." Sixteen page illustrated circular and price list ***FREE.***

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American Poultry Journal
DEVOTED TO STANDARD & COMMERCIAL POULTRY CULTURE.
Entered at the Postoffice at Chicago, Ill., as Mail Matter of the Second Class.
VOL. 30. CHICAGO, ILL., DECEMBER, 1899. NO. 12.

BLACK LANGSHANS.

BY C. I. FORSYTH, Winfield, Kansas.

ONLY similar to the Shanghais of China, in having the shanks moderately well feathered, and being Asiatics and Chinese Asiatics at that, the Langshan "covers the field" in being the fowl for the farmer and denizen of the village and city. Of large wing and muscular breast, it is fully able to roost on the highest branch of the tallest tree; and being of a high-strung, nervous temperament, it can spring lightly beyond the reach of the most vicious dog or ravenous wolf. It answers to good treatment by the most docile actions and a few days of kind treatment renders it the pet of the household.

It is unquestionably one of the most ancient of breeds of fowls, to establish which fact resort is unnecessary to the carvings on ancient Chinese walls or any Noah's ark records; but the fowl itself offers the very best evidence. Brahmas and Cochins often breed back to their Shanghai progenitors, but the pure Langshan never reveals any relation to any breed of fowls but the Langshan. That Langshan breeder who has the sooty plumage and yellow-bottomed feet among his birds had far better pot his flock and start anew, for he certainly has Cochin blood in his flock of Langshans. The Langshan justifies in every way the keeping out of all kinds of foreign blood and the using of nothing but birds of purest Langshan blood. The singular peculiarities of the breed pronounce them the unmixed race of fowls they profess to be.

Peculiarities of the Breed.

The history of no other breed of fancy fowls contains the striking peculiarities possessed by the Langshan. When other breeds of Asiatics were imported they were individually of variegated colors and hues, coarse in bone and varied in shape. Langshans were rarely of any other color than greenish black, and always of that nervous, sprightly nature utterly unknown to Cochins, Brahmas, or their ancestors, the ungainly Shanghais.

When the Langshans first reached our American shores the Asiatic breeders were perfecting and molding the classes of Brahmas and Cochins out of the ill-shaped Shanghais. The ponderous Light Brahma had been quite firmly established. So also had all varieties of Cochins been nicely carved out of the Shanghai, but with one exception—the Black Cochin *would not breed pure black in color.*

Black Cochin Blood.

For years and years Black Cochin breeders had been fruitlessly endeavoring to firmly fix a black color, as Light Brahma, Dark Brahma, Buff Partridge and White Cochin breeders had successfully fixed the colors of their respective breeds, but they utterly failed. They could rig up a dandy Partridge Cochin male; they could bring out the magnificent black parts of the Light and Dark Brahma; but their hands lost their cunning and their brains clogged in their vain attempts to produce a Shanghai of Cochin shape which was of that clear glossy black or "uniform lustrous beetle green shade of black on surface and sound undercolor to the skin," so loudly called for by the framers of the Standard. The Shanghai had been a great blood getter in establishing several varieties of grandly beautiful fowls, but the Shanghai had apparently been worked to its full limit as a breed maker. Like the mule, in one sense, it refused to be "worked" any further.

The Black Cochin breeders were nonplussed and knew not what to do. It had been given out, prematurely, perhaps, that the breed of Black Cochins had been established. Poultry associations were offering prizes for *Black Cochins* and the question with the Black Cochin breeder was, How can I take the prizes with Standard required birds? Indeed, so faulty were they in color that it was impossible to get a thoroughly black pair of Black Cochins.

An English View of the Case.

A short time previous to the advent of Langshans into England a noted English writer, discussing the dark future of the Black Cochin, said:

"Black Cochins again seem to have been a sport from the White, or the fruit of a cross, and their admirers did their utmost to bring them into favor. Distinct classes were made for them at the exhibitions for a long time and after the entries in them became insufficient for their support, they were entered in the various classes under a distinct heading. But every fresh generation of them proved only more and more that they were not quite black fowls and never would be, however carefully they might be bred. The hens would be beautifully black, but the cocks showed obstinate determination to display red or yellow somewhere. Some times an otherwise beautifully black bird would have a sharply marked out-colored saddle; sometimes, black everywhere else, he would have streaks of red and yellow in the hackle, and sometimes the obnoxious color would crop up in a single feather here and there on the wing. Broods sometimes might be brought up black even to the adult molt, when lo! the red or yellow feathers were sure to betray their unwelcome presence. The judges found it difficult to judge fowls where their task was only to pick out the least faulty. Committees got tired of giving them prizes under the circumstance and breeders got tired of trying to make them come true, so they have now almost entirely disappeared from exhibitions and from amateur favor also. Before retiring from public life, however, they were said to serve a turn in crossing with the Whites, for many have attributed the black breast of the Partridge Cochin to a cross with their black brethren."

But suddenly in their extremity the few remaining Black Cochin breeders heard of a new breed o. black fowls rather large, and—O joy! feathered on the shank, lightly to be sure but *feathered* some; and the birds were black, and greenish black, too. Not a word.

Return of the Cochin.

In due time Black Cochins again made their appearance, not only in England but here in America. Their tails were longer than the old Black Cochins' tails, and many had pink bottoms to their feet, and they had a very proud and lordly bearing that some old breeders told them was identical with the new breed of fowls lately imported from China. But, thank fortune, their plumage was black, and that covered a great multitude of sins. Of course, some of the black plumage had a brown and purplish sheen, but much of it was a lustrous greenish black. The skin of many specimens was very thin, white or transparent, but quite a large number had a thick, coarse skin; and where it covered the shank and foot it was black and muddy looking away down and partly under the foot, while the remainder of the bottom of the foot was a dull appearing white.

This new breed had an uphill business of it getting a start on the soil of old Albion, but it took root like wildfire here in America. A few specimens were imported from England and were made to do an immense work. The cocks of the new breed did duty with Black Cochin hens, the progeny and eggs sold at extravagantly high prices, and this country and England were flooded with half-breed Langshans that stood for full-

BLACK LANGSHAN COCK, "CHALLENGE."
Winner of first prize at Madison Square Garden, New York, 1899. Bred and owned by Dr. F. M. Robinson, Pawling, N. Y.

blooded Langshans, and half-breed Black Cochins that did duty for full-blooded Black Cochins. The error thus worked both ways.

As greed usually lies at the bottom of all great wrongs, so greed was the cause of the mixture of Langshan and Black Cochins. Half-breed eggs were sold as full-blood Langshan eggs. By infusing a liberal quantity of Langshan blood into their Black Cochin flocks, the Black Cochin breeders got what they never had before—long-tailed Cochins of fine color. It is worthy of remark that by way of a test of good breeding the Langshan fowls, fresh from the Langshan districts of China, in the first importations to Major Croad, and afterward to his niece, Miss A. C. Croad, who bred *his* importations as well as her own, the birds had, with only a very few exceptions, that same lustrous greenish black color that characterizes the full-bloods now. Indeed, I think it may be set down as a fact that unusually purplish barred black surface plumage is a tolerably pure indication of a mixture of foreign blood with the Langshan blood. One thing to me is quite sure, made so by years of careful study in mating, that an excess of purplish barring in surface of black, also bronze or brown, indicates a weakness in black color.

[Continued.]

THE FANCIER IN THE POULTRY YARD

BY THOS. F. RIGG.

A FANCIER'S WINTER HOUSE.

THE fancier now has his birds in winter quarters. There is no more important or necessary department of a fancier's plant than the winter house, where the breeding stock and birds intended for sale are to be kept.

We have just completed a house, intended for winter quarters in part, that we believe will give us the very best of service. It is a building 36 feet long and 16 feet wide, two full stories. It is constructed of the very best material, being double lined with building paper. The lower floor is divided into four pens, each 9x12 feet. A four-foot hallway extends the entire length of the north side of the building on this (the first) floor. Here are kept hens and pullets intended for breeders next season. Each pen on this floor is provided with a window—not too large—and every convenience has been supplied.

It is upon the second floor that we keep the stock which will be used to fill orders for exhibition and breeding birds. The indications now are that we have made no mistake in construction, but whoever built a house without doing that, which in some particular, would be changed, after a time of use?

This upper room has half windows on the south and a full window in each end. Here we have 36 pens, each 3x6 feet. The pens run back from the east to within 8 feet of the west end of the building. A hallway 4 feet wide extends the length of the building, less the 8 feet cut-off. The construction of these pens is very simple. All that is used in the making of the lower tier of pens is 2x4 studs and woven wire. The lumber is nicely dressed on all sides, this being done not only for appearance sake, but because it will be easier to keep all free of vermin. The upper tier of pens are movable coops. The bottoms are made of very thin lumber, with sides and tops of woven wire. These upper coops, or pens, can be removed, one or all, without in the least interfering with the lower pen arrangement, as the woven wire forms the top of each lower pen. The upper pens were made movable for the reason that it is desirable to be able to "get at" each and every piece of lumber used in construction, in order that vermin may be kept out all the time. It would not do at all to build a house of this character—of close occupancy—of all wood and wood connections. This would not only be inviting vermin, but would impose a vast amount of work in keeping clean.

Here we have pullets and cockerels, and have them in the pink of condition at any and all times. The pen 3x6 is large enough in which to keep a bird for months—with proper treatment. We thus have our show and stock birds under complete control, and can send a bird or birds on demand fit to enter any exhibition or breeding yard.

There is a lot of care, it is true, in keeping stock in the very best of condition all the time, but it is the only way a breeder can make any money, the only way a true fancier would conduct his affairs.

THOS. F. RIGG.

SHAPE AND COLOR.

That veteran judge and fancier, I. K. Felch, in an article on "Shape and Color," published by *The Country Gentleman*, says:

"Shape and color must have equal force in determining the score card value of fowls, and control the awards. The faddish and the extremely selfish must take a back seat. Judges must be forced to do their whole duty. Their personal likes and dislikes should not and must not cut any figure. If they will not leave their personality at home, then let them stay at home themselves. We want strictly impartial judges. The careless and faddish have no right to pose as judges. When it is known exhibitors select specimens that are not a reasonable embodiment of Standard demands, with the assertion that they know it, but 'I know my judge,' it is no compliment to the judge, and rather a good reason why such a judge should no longer be employed."

That proposition on shape and color is undoubtedly in accordance with the general opinion, but the remarks about judges will occasion some feeling amongst the profession.

This series of papers on the prevention of disease, the care of fowls, the preservation of health in the flock, and the general conservation of energy in breeding poultry, is written expressly for AMERICAN POULTRY JOURNAL by DR. N. W. SANBORN, Wellesley Hills, Mass.

CHICKEN POX.

CHICKEN pox rarely attacks mature birds, but is seen on half-grown stock, and during the fall of the year. A wet, dark season seems to cause an increased number of cases, and a more severe type of disease. The prominent feature of chicken pox is the sores or ulcers that appear upon the bird. These at first are little red points; then matter forms, and the spots have a white appearance. The center dries a little, leaving a depression. The scabs are scratched or rubbed and drop off, leaving a raw surface. If the ulcer forms near and extends to the eyes, the sight of one or both may be lost. In severe cases, where there are large numbers of the ulcers, the bird loses appetite and strength. Chicken pox commonly runs a mild course and the birds recover with little or no treatment. The ulcers ordinarily appear on the head, face and underside of wing, but in some epidemics are found on all parts of the body. To save irritation apply carbolated vaseline to the ulcers every day. Keep the sick birds indoors on wet days, and in a dry house. Feed lightly a mash that is made largely of animal food, such as meat-meal and ground grain, mixed with boiling milk. Coop in orchard, if possible, in summer, and in the cold shut-in days do not forget to give cut clover.

ECZEMA.

This is a disease showing itself by an eruption on the skin, and is apparently caused or aggravated by too much stimulating food. It is not contagious. The eruption appears first on the wattles and may only be noticed there. First, you notice white points, then they grow larger, run together, burst and discharge a thin liquid that dries, forming a crust. The sick bird has little appetite and moves about aimlessly. Two grains calomel and one each of citrate iron and quinine, given morning and night, for ten days, will do for internal medication. To the wattles and other parts having the eruption, apply an ointment of the oleate of zinc. Feed plain food, with cut clover, or grass, and give the birds a good roomy house and ample run outside.

THE COMB.

The appearance of the comb is a reliable index to the general condition of the body. When you find the comb looking bloodless, light colored and limp, you know you have an anæmic bird. On the contrary, when you see the comb dark colored, purple and tense in substance, you have the opposite plethora. Between these two extremes you will find in perfect birds a comb with plump look and healthy color. The condition of wattles and earlobes will confirm your opinion as formed from the comb. Changes in comb are nearly all due to some disturbance or disease in some other part of the body.

FUNGOID.

Fungoid is a rare disease in this country, but is seen at times in birds kept in city barn basements. It is somewhat contagious, but does not seem to spread rapidly, except in flocks badly debilitated from unhealthy surroundings. Fungoid presents at first a few bead-like swellings on the comb (and wattles), hard to the touch. These little bodies in a day or two grow soft and break, discharging a yellow fluid. Before these sores heal other points appear, grow soft and follow the course of the first crop. Lot after lot appear, the head swells and the eruption spreads to the neck. The discharge dries and is mixed with dust, giving an unsightly appearance to the bird. You are not likely to see this disease among your own birds, unless in some extraordinary way it has been introduced from outside. Persons who care enough for hens to take a poultry paper or attend instruction in poultry culture will not so feed and care for birds as to get them in condition to develop fungoid. Birds with this disease are not fit to eat, and if in a badly debilitated state should be killed and burned. On the other hand, if your birds are in good health, and yet there are a few cases of this disease, you can probably handle it without great trouble. All sick birds should be quarantined. Tie the legs of each bird together just loose enough to allow walking, but tight enough to stop all scratching of head. Sponge the sores with a wash of carbolic acid crystals, five grains to a pint of water. Feed well balanced rations, not forgetting to add black pepper to the mash.

WHITE COMB.

White comb, like fungoid, is a disease of city rather than country, and hence not likely to be met on a poultry farm. It is also caused by bad air, little or no sunlight and fostered by the lack of green food. It makes its appearance on the comb in the shape of little white, pin-head points, that soon break down, run together and form a thick, whitish crust, that comes off in flakes. When the disease extends to neck, the feathers come off, giving a grotesque look to the bird. These cases cannot be cured unless removed from the dark basement to green fields and this can seldom be done. Like fungoid, the single cases that may now or then creep into an otherwise healthy flock, can be cured by a like treatment, but I doubt whether it will pay for the time needed.

BLACK ROT.

This is gangrene of the comb, met with occasionally in any of the tall-comb varieties, but most often in the Black Spanish. Whether it comes from disease of the liver or not, it is true that in every severe case the liver is badly congested. Any part of the comb may be affected, but it is at the points that it first begins to show. The part diseased is purple, then blue, lastly black. Circulation ceases in the part and it rots. Few birds live long enough for the diseased parts to drop off. With the comb symptoms there is a bowel discharge, somewhat loose and yellow in color. The sufferer has no desire for food or exercise. Paint the comb twice a day with a lotion made of one ounce water, one-half ounce glycerine, two grains carbolic acid crystals. Have in reach at all times green food in some form.

FROST BITE.

Frost bite looks much like black rot, but the bird is wide awake and shows a desire for food. The parts that have been frozen, comb or wattles, are purple. If not too badly injured, little by little the blood supply returns and the parts regain the usual condition. If long frozen, or too suddenly thawed out, the parts grow darker in color and at last black, and may drop off, adding deformity to the defects of the bird. Birds with tall thin combs need a lower and warmer house than the rose-comb varieties, but even with the best of care a bird occasionally gets the comb frozen. To reduce the swelling and hasten the return of the circulation, apply to all frozen parts twice a day, the following mixture: Vaseline, 5 tablespoonfuls; glycerine, 2 tablespoonfuls; spirits of turpentine, 1 teaspoonful.

FISH SKIN DISEASE.

This is a dry and rough condition of the skin of the shank. There is an absence of the oily constitutent causing the scales to be brittle and crack, allowing dust and filth to get between and under the scales and give an unpleasant appearance. Fish skin disease is not caused by an insect, as is scaly legs, but does seem to be found in certain lots of birds, giving the impression that it may be largely a trouble of hereditary taint. Softly rub the dry spots of shank and toes with some petroleum jelly, as vaseline or cosmoline, or an ointment of vaseline, two parts; oleate of zinc, one part. This will soften the skin and restore the natural condition.

THE LANGSHAN FOWL.

The fourth edition of Miss A. C. Croad's valuable book, "The Langshan Fowl," published in England, is sold at 70 cents a copy. It is not a pamphlet, but a beautiful cloth-bound book, treating of the characteristics and history of the Langshan from the time of its first importation from Langshan, China, into England, by Major Croad, in 1872, to the present time. This book should be in the hands of every Langshan breeder and judge. We will mail the book to any address in the United States or Canada, and send AMERICAN POULTRY JOURNAL one year to any address in same, for only $1.

Cultivation pays as well in live stock and farm produce generally as in the human race. We boast of our advanced educational thought—we should be able to boast of our application of the same correct principle to even the smallest detail of productive work on the farm.

"Profit is the idea on which business hinges," remarks Mr. Benedict, of Chicago. True enough; and advertising is the key that unlocks the door that swings on those hinges.

FEEDING FOR RESULTS.

G. C. FLEGEL, WESTVILLE, IND.

POULTRY feeding is a subject regarding which so much has been written that it seems like digging up old bones to write of it at all, and yet it is not for the old poultryman who has been in the business for years that such articles are written, but for the benefit of the younger generation—the beginners who will in time naturally take the places of the old men when they are gone. It is not possible to lay down any fixed system of feeding or formula for feed. All we can do is to observe the effect and try to profit accordingly. What may be a fine feed for me with my surroundings might not do at all for some others whose surroundings might may be altogether different. We can all remember when our good old mothers and grandmothers considered that a mixture of cornmeal and cold water was all that was necessary to raise their chicks. Then if there was a little stale bread lying around, that soaked in milk and given to the little ones with the milk dripping from it, was considered a delicious morsel. But now, oh! what a difference! The little fellows, according to some, must have hard-boiled eggs chopped fine, shell and all, with crackers and a little toasted bread crumbled up. Others say it is not necessary to have the egg. Others feed a mixture of meals formed into a stiff crumbly mass; and still others say feed all dry feed. Such an eminent

authority as Thomas F. Rigg recommends this feed for the young chicks, and I must acknowledge I have grown better and stronger birds on this feed than any other; yet whether an all dry feed is just the thing, under all circumstances and conditions, is a question that I for one am not ready to decide in the affirmative. I firmly believe if the young chicks have a good run to work in and the weather is favorable, with plenty of green stuff and bugs, worms, etc., at hand, then to feed nothing but dry grain comes nearer to following nature than any other feed. I think the chicks will thrive and grow to be stronger, healthier and finer shaped birds than on any other food. But on the other hand take a brood hatched in the cold days of February, when all the ground is covered with snow and the chicks must be cared for in brooders and brooder houses, then the feed question is something more difficult of solution. In this case it is necessary to supply all the things required by nature, *i. e.*, grit, green stuff, meat or its equivalent, and the necessary flesh and bone forming food. In this case I give one good feed of a mash composed of two parts oats and one of corn ground together. To this I add bran, wheat middlings and clover meal, with ground beef or blood meal every other day. This mash I compound as follows: Corn and oats (ground), one quart; bran, one quart; wheat middling, one pint; clover meal, one quart; ground beef or blood meal, about half an ounce to the chick every second or third day. This mash should be thoroughly scalded, or, what is much better, cooked and mixed quite stiff so it crumbles. I like to give the chicks this feed first thing in the morning. Now, we no doubt hear some worthy person say that bran is a bad thing and will cause looseness of the bowels; another may object to the middlings as being constipating. I have reasoned in this wise: If the one acts as a laxative and the other is constipating, why can we not secure a medium and overcome both objections? And by feeding in this proportion I have had exceedingly good results.

There are several reasons for feeding this mash to the youngsters, but the main ones are it affords an excellent means of giving the little ones grit which they would in all probability not get otherwise, as the grit can be mixed in with the mash and they are sure to get more or less of it while eating it; and it, having the clover meal as one of the ingredients, gives the chicks one of the best substitutes for green food there is, as it is well known that clover meal is one of the best foods for either young or old stock. If I cannot get the ground green bone, then I mix the ground meat or blood meal, but I prefer to feed the green bone if it is possible to get it. After this morning meal I fall back on the grain. For very small chicks I prefer cracked wheat, pinhead oats and corn cracked very small, but I do not feed a great deal of the corn, but make the cracked wheat or oats the main feed. In addition to this I feed green cabbage as often as possible and any such other food that may be obtainable.

I cannot urge too strongly the necessity of green food for the young chicks as well as old fowls, and to the observer it is something remarkable how soon a pen of old birds will clean up a grass plot so there will not be a blade of grass, or, for that matter, the roots remaining. Green food is about as essential to the proper care of poultry of all sizes as water is to man; therefore, it is of the utmost importance that the little chicks have green food of some kind every day of their lives. I cannot recommend clover meal too highly as a substitute when other kinds of green cannot be obtained. I, of course, cannot say how my manner of feeding would result if followed out in the South, for I feed to obtain results in a climate where we have very cold winters and often late springs and early falls, and while my results are satisfactory here, yet I doubt if they would be where the winters are mild enough for outdoor brooding the entire year. And in this climate I doubt the advisability of any person trying to copy after another, no matter how successful he may be, for I think it is necessary for each to care for his stock according to the surroundings whatever they may be. To sum the whole matter up, I would feed at least one meal of mash each day with green food in plenty. Then my grain ration will complete the bill of fare. I have not mentioned water, presuming all would not omit this essential from the list. Some recommend water only three or four times daily, but I keep it by them at all times, and finally would say, it matters not how or what is fed—there must be a little judgment used in connection or I have my doubts as to the result being a howling success.

POULTRY IN WASHINGTON.

The vast Northwest, with fabulous wealth of mine and forest and plain, does vastly and well whatever it undertakes to do. There is no newness or smallness in its plans. They seem to start large and in full maturity. One of the most beautiful specimens of printing for a special purpose that we have seen lately is the Spokesman-Review Quarterly for July, 1899, issued by the Morning Spokesman-Review of Spokane, Wash. This handsomely illustrated pamphlet, done on the Rand-McNally press in this city, contains a large amount of interesting reading matter, descriptive of Washington, Idaho, and the northwest, and many artistic pictures of scenery and industrial works. In the midst of huge mining operations we came upon a group of pictures suggestive of the dairy and poultry. These we here reproduce with the consent of the Spokesman-Review.

POULTRY IN CHICAGO.

The Chicago *Sunday Times-Herald* devoted an entire page, in the issue dated November 5, to a write-up, with half-tone illustrations, of a poultry plant near Chicago. This fact is worthy of consideration, because it indicates an awakening to the importance of the poultry industry. There is nothing new or surprising in this article to anyone who has read poultry journals or visited poultry shows, but the truth is, the western newspapers are far behind their eastern contemporaries in their appreciation of a great national industry. The Chicago press is indifferent to the matter of the value of the business. Even the exhibitors of fine stock are dismissed with a few lines of mention here, while in New York the annual show at Madison Square, and in Boston, as events rank almost equal to the horse show. We are glad to see the *Times-Herald* leading the way to a truer understanding of this vast industry. The local plant described by the *Times-Herald* has been written about by AMERICAN POULTRY JOURNAL. It is the property of a young woman who has done well in furnishing market stock and eggs. The article alluded to concludes thus:

"One of the main objects of this farm, aside from the egg product, is to produce an ideal table fowl at a high price. This includes chickens, ducks and guinea hens. The Chicago market, it is asserted, is flooded with cheap stuff in the poultry line, while all that is best goes to eastern cities, where maximum prices are obtainable and where the best is none too good. Scraggy poultry and fowls that have been fed on all sorts of impurities as well as diseased birds, it is claimed, are stuffed into barrels and dumped in the markets here. The dry picking process is employed at the north shore ranch, and the principal customers are found among clubs, private families and family hotels. In other words, the entire product goes to those who are able to appreciate a good thing and pay the price which it commands.

"Money in poultry? There certainly is, and plenty of it, for men or women who are qualified to work their way to the front. First, there must be talent and a positive fondness for poultry and poultry breeding; secondly, there must be good stock, an established strain and the ability to reproduce choice birds each year in increasing numbers. Then let the world know what you are doing. With the steady increase in the business, it is pointed out by the experienced that there is plenty of room in this line of work for any intelligent, painstaking man or woman who will engage in it and plan and strive for profits as they would in any other line. It is not to be expected that an investment of a few dollars will make one rich in a year. One should not begin at the top and go down, but invest cautiously at first, learn the business by degrees, then make larger investments and win the reward. Breeding poultry for fun or recreation is one thing; breeding it as a source of profit sufficient to furnish a living for a family is quite another matter. Only those who are in the business for pleasure can afford to indulge fads and spend money for ornamental poultry plants. With others utility and comforts are watchwords. There are numerous poultry farms in this country clearing $1,000 to $8,000 a year on standard-bred birds.

"Do not despise the hen. The hen annually earns more than the total value of the wheat crop, more than the total value of the cotton crop, and is still clucking cheerily away as though she had done nothing remarkable after all. It is estimated that in this country there are more than 350,000,000 chickens, which produce annually about 14,000,000,000 eggs. These eggs are worth to poultrymen and farmers $175,000,000, while the sale of poultry for table consumption, at a conservative estimate, will equal $130,000,000. Assuming that each hen is worth 30 cents, the entire brood foots up $105,000,000. This places the total product of the humble hen at $410,000,000 a year. All the cows in the country only amount to a total value of $370,000,000 in round numbers.

"British hens would give up in despair if it were intimated to them that they ought to supply all the eggs the population over there can consume. In fact, the number of hens is so very inadequate that over 1,330,000,000 eggs, worth $20,000,000, are imported in Britain every year to make up the deficiency of the home supply. Large numbers of eggs are also imported into the United States from Canada."

The figures given here are conservative and do not include the many millions invested in thoroughbred show stock. Indeed, we believe the annual market product alone exceeds $500,000,000. There is simply no limit to the possibilities of the market since each year's crop is consumed. There is no surplus accumulation. If the right sort of management is observed, there is a sure income from flocks raised solely for eggs and meat. Chicago families are glad to get these table necessaries at good prices.

DR. E. A KEGLEY.

The Western Poultry Association is presided over by Dr. E. A. Kegley, of Cedar Rapids, Ia. He is an enthusiastic fancier, and early in life showed a particular love for the feathered tribe, but having an inclination for the practice of medicine, he entered into its studies, graduated in two of the foremost colleges of medicine and surgery in America and for nineteen years has been one of the foremost practitioners in Iowa. For the past decade he has confined himself to the practice of diseases peculiar to the eye, ear, nose and throat, and before beginning this special work he took the advantages of an extended course of study in Europe. His services are much sought after as counselor and diagnostician by the best physicians in the state. Mr. Kegley takes a warm interest in the leading orders, is a Mason, member of the Knights Templar, Shriner and a royal good Elk. During the show at Cedar Rapids the fanciers will have an opportunity to meet this genial man, and also to see the fine new auditorium in which the exhibition will be held.

VALUE OF POULTRY SHOWS.

Why the Annual Exhibitions Attract such General and Profitable Attention.

They are the Result of a Natural Love for the Artistic and the Utilitarian in that Most Interesting of all Studies, the Science of Biology.

SOME OF THE PRACTICAL PHASES OF BUSINESS.

THE CHICAGO SHOW.

THE poultry show is now the center of attraction to poultry fanciers. If all breeders are not exhibitors, the few who are not are probably aspiring to become prize winners. What are the reasons for this almost universal feeling?

The poultry business is immense in proportions and practically limitless in possibilities. Within the past ten years poultry raising has advanced from a minor feature of the farm and yard, with here and there a few men and women "fanciers" who were regarded as eccentric specimens of humanity, to a mighty element in the problem of national wealth. Millions of dollars are invested profitably in poultry plants, houses, appliances and flocks. Shrewd business concerns, dealers in cereals, meat products, etc., representing the huge commercial propositions of the country, are engaged in the work of supplying varieties of foods. There must be a demand or there would not be a response. The demand must have reached the dignity of the imperative, or such great concerns would not voluntarily invest fortunes in the machinery to supply the demand. This is one gratifying fact—proof of a recognition of the stability and reality of the poultry industry. Nor is it alone an adaptation of great converting plants like Armour's, Swift's, Darling's, the American Cereal Company's to this work that inspires respect for poultry raising. There is a special phase—the demand has created hundreds of responsible concerns expressly of this character—incubator and brooder, bonecutter and meat chopper manufacturers and poultrymen's supplies vendors. As a commercial factor, the business is confirmed.

And this judgment by wise men is well founded in fact. The poultry industry aggregates probably $500,000,000 a year in the increase of national wealth. This is a consumable product taken from the soil or the yards and transformed into current wealth. This feature is one we might elaborate upon, but the subject is merely alluded to as one cause of interest in shows, namely, the commercially competitive element. Dealers in poultry appliances and foods have to "hustle" for trade, and they exhibit at shows for that purpose. The fact exists that trade is obtainable. That covers our first point.

Then comes the feature of competition in the coops. This is a more esthetic proposition. Whereas the opportunity for gain attracts business men—the opportunity so recently appreciated—the love of supremacy implanted in the human heart leads to competition in a higher sense. A true fancier will spend a hundred dollars to win a one dollar prize. Commercialism is crowded to the rear, to make room for a colored feather or a Bantam which may be held on

Interior View of Tattersall's, where the Chicago Show will be held.

one hand. That is the real motive that animates the shows—the production of a living creature superior, in technical appreciation, to any other specimen of its kind; the making of a living thing to accord to one's artistic ideal.

Second to this, in the fancier's mind, is the innate love of *chance*. Argue as we may, the impulse to speculate is deeply ingrained, and here we have "competition" covering the harsher word "gamble." A fancier ventures in two matings and desires a result. He is willing to incur expense to tell the world that nobody can surpass him in that effort! It is a "gentleman's game," open alike to clergy and laity. "My birds are better than your birds." But the rules

No. 1.

are governed by a multitude of delightfully uncertain chances.

Then there is the artistic satisfaction of starting—let us say—with the Rock pigeon and ending with the Fantail, Pouter, Tumbler; of starting with the Shanghai and bringing forth the Cochin, the Langshan; of taking the "old Dominicker" and giving back the Plymouth Rock. Why this "mating for results" is so engrossing is because it is the study of biology. It is experimenting with a Mystery.

Of course, the prizes that are "hung up" are not despicable. Do you realize what an aggregate they reach?

There is first of all the *honor;* then the benefit to individual business; then the cash premiums.

The social pleasures of a meeting are among the inducements of a show. Fanciers like to rub up against each other. They are fraternal—although sometimes, brotherlike, they get into a nice little friendly fight.

Estimates on the value of exhibition stock are never included in the statistics of poultry. This important factor is necessarily conjectural, but we venture the assertion that the aggregate of prize competitors—allowing for duplication of entries, where circuits are made—is fully $2,000,000. The total amount of prizes offered, if all classes are filled, is certainly not less than $200,000.

Poultry shows do not hold themselves. They are the expression of much hard work and patient effort on the part of officials of well-balanced organizations. There will be not fewer than two hundred shows during the winter in this country. At Chicago, Cedar Rapids, Ia., Quincy, Ill.; St. Louis, Mo.; Boston, New York, Cincinnati, Indianapolis, and most of the large cities important exhibitions will be given, while in scores of other places local organizations will present for view from 500 to 2,000 specimens.

As a description of the purposes and methods of work by poultry associations let us take a few of the typical ones. Naturally we begin at home.

The National Fanciers' Association of Chicago is an organization of breeders, fanciers and those interested in standard bred poultry, pigeons, pet stock, etc. It is incorporated under the laws of the state of Illinois. No member, as a member, can derive any pecuniary gain from his connection with it. All profits must be expended for the expenses of doing its legitimate business. Its income is derived from the membership initiation fees of $1, annual membership dues of $1, renting of advertising and exhibition space, entry fees, admissions to exhibition hall and sale of catalogues. Its expenses are rent of hall, printing of prize lists and catalogues, stationery, postage, advertisements, services of judges and the payment of prizes, general and special. It should be and is the aim of the management to use the funds, of which they are but the trustees, judiciously and economically to the end that the largest possible amount shall go to the payment of prizes. If there is a large profit one year, the aggregate of prizes for the next year should be increased. The interest of the exhibitor is the foundation of the business, and the profits of the exhibitors, honestly distributed, should always be and is the first consideration. The advantages of membership should also receive consideration. Aside from the privilege of attending the meetings, hearing and engaging in the practical and beneficial discussions, yearly free admissions to the showroom and participating in shaping the policy of the association, we believe there should be an inducement to members in the way of a valuable prize to be open to competition to them only. Surely there should be some little compensation for the services rendered. We are informed by the secretary that with this idea in view the board of directors have decided to offer at their fourth annual exhibition, January, 1900, a cup of the value of $50 in the poultry department, one of the value of $45 in the pigeon department, to be competed for by members only. We are able to give half-tones of both of these cups. No. 1 is a membership cup for the poultry department, size seventeen inches in height, and No. 2, that for the pigeon department, size twelve and a half inches in height. In prizes, general and special, to be competed for by the world the liberality is limited only by funds at disposal. The secretary has announced that specials on eighteen different varieties of poultry have been placed, consisting of 25 cups and $10 in gold to each. Specials on eighteen leading varieties of pigeons are to be offered, consisting of eighteen cups, value $10, and $5 in gold for each variety. No. 3 is the poultry special, size seven inches in height, No. 4 the pigeon special, size seven and a half inches in height. Cash prizes in all poultry classes of from $11 to $3, according to the number of entries, in all pigeon classes of from $8 to $1, according to the number of entries, in all cat classes of four entries $3, and in all pet stock classes of six entries $3, are on the list. It will thus be seen that there will be offered to the poultry, pigeon, pet stock and cat fanciers as prizes to be competed for at Tattersall's, next January, $725 in value of cups, $270 in cash specials, and if all classes are full to the maximum, general cash prizes to the amount of $7,265. Club meetings will be held here by the following named poultry clubs: Water Fowl Club of America, Rose-comb Brown Leghorn Club, White Plymouth Rock Club, Houdan Club, Bronze Turkey Club, Black Langshan Club, White Wyandotte Club, National Game and Game Bantam Club, Magpie Club, and probably

No. 4.

No. 3.

No. 2.

American Barred Plymouth Rock Club. At the last show the total value of the poultry and pigeon exhibit, at a very conservative estimate, was $48,000. The pet stock show increased that sum by $5,000. Fred L. Kinney, Morgan Park, Ill., is the secretary.

CEDAR RAPIDS SHOW.

The Western Poultry Fanciers' Association of Cedar Rapids, Ia., was organized some five years ago by a number of fanciers of that city, for the purpose of holding local annual exhibitions of poultry, pigeons and pet stock. The association has outgrown its local character, and has become a truly western institution. It has held four poultry shows, each one larger than the one before, and all have been eminently successful. The exhibits on each occasion have been extensive and fine. The last two years birds have been sent to the show from a number of surrounding states, such as Missouri, Nebraska, Minnesota, Wisconsin, and a large line from Illinois. Fanciers have also attended from those states and spent the whole week in Cedar Rapids enjoying the show. The W. P. F. Association is made up of a goodly number of Cedar Rapids poultry raisers and poultry lovers, who have been in it, not for the money to be made out of it, but from their love for good poultry. It is officered by a number of representative citizens, and the president is Dr. E. A. Kegley, of Cedar Rapids, one of the leading professional men of eastern Iowa, and a zealous and devoted fancier. Heretofore the association has been cramped for good quarters in which to hold its shows, but this year a large, fine, new auditorium will be at its disposal. The main show room will be on the first floor; will be nearly one hundred feet square, nicely lighted and warmed, and have every facility and convenience. There will be ample room to exhibit to the very best advantage several thousand birds. The association proposes to coop the show, something that has heretofore not been done. There will also be a very large incubator exhibit, one firm alone guaranteeing to expend $150 for eggs to be hatched during the show. There will also be an exhibit of poultry foods, poultry appliances and possibly a dressed poultry exhibit.

The offerings of premiums will be much larger than ever before. Every dollar of premiums has already been guaranteed in full, and there will be no discount in their payment. The premiums offered will amount to upward of $2,000, which it is hoped by the association will be the means of drawing a very large line of exhibits. In fact, the association has never aimed to make any money out of its shows, nearly every dollar received being paid out in premiums and expenses, leaving nothing at all for salaries. Every dollar of premiums has invariably been paid in full in cash within ten days after the closing of each show.

American Poultry Association Meeting.

The American Poultry Association will hold its annual meeting in Cedar Rapids in conjunction with the annual show of the Western Poultry Fanciers' Association. This fact alone distinguishes the Cedar Rapids show above all other poultry shows held in the United States during the year. The local association is making extensive preparations for the entertainment and convenience of the National Association during its stay in Cedar Rapids. The American Poultry Association has made an offering of four very valuable cups costing $50 each, which have been placed as follows: On the highest scoring cock, cockerel, four hens and four pullets in the American, Asiatic, Mediterranean and Exhibition Game classes. The American White Plymouth Rock Club and the Buff Rock Club will also hold their annual meetings in Cedar Rapids the same week of the show. Both classes will be very liberally dealt with in the matter of premiums by the association. The Cedar Rapids association feels warranted in hoping for and expecting the very largest show to be held in the west in 1900. The entries last year were some eighteen hundred, the Barred Rock class alone reaching 400, and in quality of specimens in this and other classes the Cedar Rapids show was unexcelled. The attendance was over 6,000, and would have been much larger had the showrooms been better located. The judges are of the highest character, being D. J. Lambert, James A. Tucker, George D. Holden, H. A. Bridge and F. H. Shellabarger. It will be the aim of the association to place the awards very promptly, and have the work of judging all done during the first days of the show.

The Western Poultry Fanciers' Association extends a cordial and earnest invitation to the fanciers of the entire west to exhibit at and attend their fifth annual show at Cedar Rapids during the week Jan. 15 to 29, 1900, inclusive. All birds will be carefully looked after and promptly returned. Cedar Rapids is a city of 30,000 population, and can furnish ample accommodations for a very large crowd of visitors. Hotel rates will be reasonable, and there will be reduced railroad rates for the week. The premium list will be issued by or before Dec. 15. Send to C. H. Playter, secretary, Cedar Rapids, Ia., for a copy, or for any information relating to the show, which will be cheerfully and promptly furnished.

THE ILLINOIS STATE SHOW.

The sixth annual exhibition of the Illinois State Poultry, Pigeon and Pet Stock Association will be held at Quincy, Ill., January 8 to 13, 1900.

Theo. Hewes, W. S. Russell and J. D. Nevius, poultry judges, and M. W. Summers, judge on turkeys and water-fowls.

The same liberal cash premiums that were paid last year will be paid at this show, viz.: On single birds, first, $4; second, $3; third, $1.50; breeding pens, first, $6; second, $4; third, $2. The cash is now in the bank and you can get your money on the last day of the show. In addition to the regular cash premiums there will be a long list of special premiums, including gold coin, silver cups and other desirable articles.

George H. Stahl, manufacturer of the Excelsior Incubators and Brooders, will give at the leading hotel on Thursday evening of show week a banquet to the members of the State Association, its guests and all visiting exhibitors. Mr. Stahl has set aside $1,000 for this purpose.

The Reliable Incubator and Brooder Company will coop the show throughout with their excellent white and sky blue exhibition coops free of charge to the Association. This means a large expenditure of money on their part. Turner's hall is large and well lighted and all birds being cooped in the Reliable Exhibition Coops will make a show worth traveling a long way to see.

George Ertel & Co., manufacturers of the Victor Incubators and Brooders, will one night during show week give a complimentary theater party at the Empire Theater (one of the best opera houses in the west) to the members of the Association, its guests and all visiting exhibitors. An effort is being made to secure an attraction of extra merit.

The *Reliable Poultry Journal* will entertain at the two leading hotels every lady exhibitor during her stay at Quincy in attendance at the poultry show. Mr. Curtis has made a liberal offer and we would be pleased to see a large number of poultry women in attendance.

Premium lists will be ready for distribution about the 15th of November. Send for one at once. List will be forwarded soon as received from the printer. Address, EDWARD CRAIG, Sec.,
Albion, Ill.

THE St. LOUIS SHOW.

The prizes hung up by the St. Louis Fanciers' Association, to be competed for Jan. 1 to 6, 1900, are worth $2,000. Silver cups and other trophies are valued at $500. The American Magpie Club and the American Swallow Club will meet in that city at that time. There is an effort making to organize a new National Pigeon Association. Other features will be presented. There will be miniature lakes for duck and geese; special exhibits of Indian Runner ducks; concerts, sparring for points by gloved Pit Games; egg machine exhibits, etc. The Adams, American, National, Southern Pacific, United States and Wells-Fargo express companies will have offices in the Coliseum. Billing of stock may be done directly to and from the building. The show is well managed in every particular. John A. Francisco, 1206 Lincoln Trust Building, St. Louis, Mo., is the secretary.

THE BOSTON SHOW.

The Boston show will bring together the grandest display of high-class poultry that has ever been cooped for exhibition. The chances are that Mechanic hall will be strained to its utmost to make room for the extended classification that will be provided for all kinds of standard bred poultry, pigeons, pet stock, cats and cage birds. Boston is the Mecca for the fancier. Here can be sold at good prices almost any kind of high-class stock, providing quality is right.

The unprecedented value in cash specials offered by the Boston management will bring to their exhibition the largest number of exhibitors and the most extensive display of the very best specimens in the land. Many of the leading specialty clubs will hold their meetings at Boston, and the greatest gathering of fanciers yet held is looked for by those best informed as to the intention of breeders who expect to go to the Boston meeting this winter.

The show will be penned by Spratts Patent, under the able management of Superintendent Rackham, who has his diagrams all prepared for a most beautiful interior picture of well located coops, so that each individual specimen will have advantage of most perfect light and location. The extensive space of the build-

ing will allow placing the whole display upon the main floor, including all hatching and other appliances, also poultry supplies and pet stock, with a neat refrigerator room for dressed poultry and eggs and an inclosed room for cats and cage birds.

The premium list should be in the hands of every breeder who has fine stock and an inclination to exhibit same where the greatest benefit will be derived. Your name in the Boston show catalogue will bring your stock to the notice of many thousand people.

For premium list address

A. R. SHARP, Taunton, Mass.

NATIONAL BANTAM ASSOCIATION.

To the American Poultry Journal.

The activity in the National Bantam Association is productive of good results favorable to the carrying out of plans for a successful meet at Madison Square Garden, in February, 1900. The annual circular letter having been mailed to each member, returns are coming in indicating that cash specials will be placed, as usual, on each and every variety of Bantam on exhibition and a vote for a judge of "Bantams other than Game" is being collected, which will decide who shall perform this arduous duty.

Our association has received a cordial invitation to join them at Chicago, and the secretary, Mr. Kimmey, promised to hang up trophies as an extra inducement. We certainly appreciate the worth of these invitations and take this more public way of extending our thanks for these courtesies shown. But, as we informed Mr. Kimmey by mail, that the conditions under which the New York Poultry and Pigeon Association are running the New York show, the enormous expense incurred, depending upon an apathetic public for patronage and support, precluded the possibility of our attempting anything which would have a tendency to weaken or cause to weaken the masterly achievement of the metropolis exhibition. Under these conditions we have resolved to make every effort to strengthen our hold on the Bantam fancy and center our strength where it is most needed for the furtherance of poultry interests. At a future day, when our association can be placed in a position to expand its usefulness, Chicago will be visited and we can safely say that an enjoyable tarry will result. We note that with the customary progressive spirit your fanciers have organized the National Exhibition Game and Game Bantam Club, which always appears to be a branch of the older society, the American Exhibition Game and Game Bantam Club. How great it would be if these two clubs concentrated their strength and worked as one club! But I am wandering away from the subject. The only point at issue being that close organization is so much more beneficial and productive of results that cannot be carried out by smaller numbers, even though the effort made is just as aggressive. Nevertheless, even if this consolidation is not a favorable movement, we extend our hearty sympathies to every Bantam organization in the field and wish for success along the lines of the entire Bantam fancy. We believe the National Bantam Association has done much to popularize Bantams and cause larger numbers to be exhibited at our shows. The public can appreciate to a great extent the fineness possessed by a high-class Bantam, and their curiosity to see these miniature wonders prompts many a city wanderer to purchase a ticket of admission and visit the exhibit. Bantams at one time were relegated to the rear; they were placed in "any old place" in the show room; but not now. All this has changed and the Bantam aisles are thronged with people who delight even in small things.

While our membership is a little short of one hundred, we would like to see it swelled by additions from among some of our prosperous western Bantam fanciers and thus help along in creating a greater boom for the fancy. It costs but $2 the first year and $1 a year thereafter, and the knowledge of knowing that you are in this way promoting the cause of Bantams will stimulate you to renewed efforts in your own locality. We are prepared to mail a new copy of our constitution to all who make application for it, and if you will join with us on or before December 31 you can compete for all specials offered at New York next year and your election will take place at the annual meeting.

We do not think you would regret making this effort and any further information will be furnished if you will suggest the subject. Whether you join with us or remain alone by yourself, we ask you to work constantly for Bantams and their breeders.

E. LATHAM, Secretary.

Flatbush, L. I., N. Y.

MAKE HENS LAY

Nothing on earth will Make Hens Lay like SHERIDAN'S CONDITION POWDER

It will keep your poultry strong and healthy. It will make your pullets lay early. The time to get eggs is in the fall and winter months when prices are highest. Therefore

No Matter What Kind of Foods You Use!

Sheridan's Condition Powder is needed with it to assure perfect assimilation of the food elements necessary to form eggs. It is absolutely pure; Highly concentrated. Sold by all Druggists, Grocers and Feed-Dealers. Large cans are the most economical to buy.

IF YOU CAN'T GET IT NEAR HOME, SEND TO US. ASK FIRST.

We send post-paid, one pack for 25 cents; five, $1.00. A two-lb. can, $1.20; six cans, $5.00. Ex. paid. Sample copy of the "best Poultry paper" free. I. S. Johnson & Co., Boston, Mass.

AMERICAN WHITE PLYMOUTH ROCK CLUB.

The American White Plymouth Rock Club will meet this season in the following places: Boston, New York, Chicago, Cedar Rapids, Ia.; Oakland, Cal.; Spokane, Wash., and Toronto, Can. These meetings will be of the whole club and will be official annual meetings. They will be held in connection with the shows at the above mentioned places. This plan of holding several official meetings has been deemed advisable for the reason that on account of the very large membership and the territory over which it is scattered it would be impossible for a fair proportion of the members to be present at a single meeting, even though it be centrally located.

State meetings of the club will be held in Massachusetts, Connecticut, New York, Pennsylvania, Ohio, Indiana, Illinois, Michigan, Kentucky, Tennessee, Texas, Missouri, Iowa, Nebraska, Kansas, California and Washington. At these seventeen state meetings the club will offer a handsome diploma of special design, suitably framed and delivered to the winners, free of all cost. The diplomas will be awarded for the best pen of White Plymouth Rocks and can only be competed for by the members in the states where they are offered, except that in states where there are no meetings the members have the privilege of competing at the state meeting nearest to them. All White Rock breeders who wish to compete for club prizes either at annual or state meetings must be members of the club in good standing and to those who have not yet joined the club we wish to say that it will be of great benefit to you in breeding White Rocks. In order to get all the benefits this season you should join at once. The membership fee is $1 and should be sent to the undersigned. Upon receipt of your application membership card and full information regarding the affairs of the club would be sent you.

FRANK HECK, Sec.-Treas.

New Albany, Ind.

AMERICAN ROSE-COMB BROWN LEGHORN CLUB.

Rose-comb Brown Leghorns are becoming more popular every day. The greatly increased demand for these handsome fowls, which many breeders have experienced the past season, fully demonstrates this fact. They are hardy, vigorous, attractive birds, possessing all the good qualities of their single-combed cousins. They are second to none as egg producers, their neat, close-fitting "rose combs" being practically frost proof, virtually nonfreezable, render them at all times in fine condition for this meritorious work. Therefore, the American Rose-comb Brown Leghorn Club has been organized for the purpose of advancing the interests of those worthy fowls and their breeders. The rapid growth of the club in membership

since its organization a few months ago, now representing some nineteen states in the United States and Canada, and the enthusiasm shown by each member is sufficient evidence to show that in a few more months it will be one of the largest and most influential specialty clubs in the country, and its influence and power for good already far exceeds the expectations of its promoters.

In addition to the many advantages now being derived by members it is the intention of the club to issue a catalogue soon expressing the merits of the breed, etc., and will be one of the most attractive publications ever issued along this line, and the advertising alone, which each member will receive free, will exceed many times the amount of the membership fee of $1. The catalogues will be mailed at the club's expense, to any one desiring a copy throughout the world. New plans and ideas will be continually formulated for the advancement of the interests of our members, and every breeder and fancier of Rose-comb Brown Leghorns should not fail to lend their support and encouragement by joining the club at once, and at the same time share full benefit of membership. Send $1 to the secretary-treasurer now for membership card, which will be mailed promptly. Correspondence solicited. Charles M. Zink, secretary-treasurer.

New Albany, Ind., Nov. 11.

WATERFOWL CLUB OF AMERICA.

A special meeting is hereby called for Wednesday, December 6th, to be held in connection with the Elmira Poultry Show in Elmira, N. Y. Time of meeting, 8 p. m. Meeting place, Stancliffe Hall. Members deciding to recommend new parties for admission to the club will please send to the secretary for application blanks as soon as practicable. The object of the meeting is to select as many members already proposed as possible, in order to make the late winter shows—Boston and New York—the banner shows of the water fowl breeders. Brother fanciers, let us work together and make our club what it ought to be—the law-giving body for the web-footed varieties. Address all communications to 211 R. R. Ave., Elmira, N. Y.

THEO. F. JAGER, Sec'y.

NATIONAL WYANDOTTE CLUB.

The National Wyandotte Club will hold its annual meeting in connection with the Boston show at three o'clock, Wednesday, January 18, 1900. Without a doubt the exhibit of Wyandottes at the Boston show will be the largest and best ever seen in America, and to aid in bringing this about, as well as to carry out the principles of our Club, we have offered $371 in cash as special prizes on the several varieties, as follows:

$100 on Buffs, $79 on White, $69 on Silvers, $48 on Goldens, $15 on Blacks, $35 on Partridge, $25 in Buff and White.

This is in addition to the regular and special prizes offered by the show itself, or those that may be offered by the Buff or White Clubs. A full list of all the specials will be found in the Boston show premium list. It will readily be seen that our Club is working in harmony and for the interests of the Wyandottes. We shall be pleased to add to our membership those who appreciate what has been done and are willing to help the good work along by at least joining our Club. The membership fee, including this year's dues, is $1, which should be sent to our Secretary and Treasurer, C. S. Mattison, South Shaftsbury, Vt.

MILWAUKEE SHOW.

The first annual show of the Milwaukee Feathered Stock Association will be held at Milwaukee, December 20 to 26. We have secured Sharp Butterfield as poultry judge and Geo. Ewald as pigeon judge. This fact alone will be sure to bring together many of the true fanciers, as they will know the worth of premiums placed by these two prominent judges. We extend to all fanciers a cordial invitation to show with us and will guarantee all a good time and payment of premiums in full. John H. Pagel, Corresponding Secretary, Box 57, Station D, Milwaukee, Wis.

A NEW PLAN.

The exhibition of the Indiana Poultry Association, which will be held at New Albany, Ind., Jan. 8 to 13, is in some respects a new departure in this line. The association has always paid liberal premiums in full and this season will not be an exception to the rule, but the premiums are much more valuable and a larger list is offered. In addition to the long list of specials, including a $25 sterling silver cup, cash, etc., the association offers $1 for first and 50 cents for second on all standard varieties of fowls, and instead of increasing the entry fees to correspond with the premiums they have been fixed so low that a large exhibit can be made with little cost. The fee on single birds is 25 cents and on breeding pens 50 cents. This gives the small breeder an opportunity to send his birds to a first-class exhibition where the best birds and the largest exhibitors may be found. Competition will be strong in all classes and the breeders who win will derive unusual advantage in the way of advertising, on account of the size and prominence of the show. The dates of other shows in Indiana and neighboring states do not conflict with the New Albany dates and everything indicates that the New Albany show will be the best attended of any in this territory. The American Rose-comb Brown Leghorn Club will hold its state meeting at this show. The Indiana members of the American Buff Plymouth Rock Club will also see that the Buff Rocks are well represented and members of the American White Plymouth Rock Club will endeavor to make the White Rock class the largest in the show. B. N. Pierce and D. T. Heimlich will place the awards and this part of the work will be handled with unusual promptness and efficiency. A strenuous effort will be made to overcome all annoyances to exhibitors that generally arise at a poultry show and especial attention will be paid to the care and feeding of the birds. Entries will close Jan. 5, 1900. Premium lists can be obtained by addressing Frank Heck, secretary, New Albany, Ind.

DAYTON SHOW.

As the time draws near for the first annual exhibition of the Gem City Poultry and Pigeon Association, to be held at Dayton, Ohio, January 11 to 16, 1900, the prospects for a successful show are growing very bright. Every mail brings inquiries regarding the show, and breeders of prominence have promised to exhibit with us. Dayton with its population of 90,000 inhabitants will insure a large attendance, a thing that is looked after by every exhibitor. This is a business association and everything is being conducted on business principles. We guarantee fair and honest treatment. So prepare your best birds and send them to our show and be benefited thereby. Premium list now ready for mailing. A copy will be sent by addressing Theo. Faulstich, Sec'y, Dayton, O.

A HOLIDAY SHOW.

The third annual exhibition of the Wisconsin State Poultry Association will be held at Waupaca, December 26 to 30, 1899, in the opera house. The Dane's House opera house has also been engaged, where the visitors will be entertained. On Wednesday evening there will be an address by I. K. Felch and other good speakers. Thursday evening a comic operetta will be given by home talent, and Friday evening we will close with a grand ball. A whole week of fun is promised to the fanciers who will spend the week with us. The premiums offered are as follows: Cash by the association, $2,190; special premiums offered by the business men of Waupaca, $300; silver cup, by the association, on highest scoring trio, $25; silver cup on highest scoring breeding pen, $25; silver cup on highest scoring collection, $50; silver cup by Black Langshan Club, $25; total premiums, $2,615. This amount will be increased by other offers, in all probability, making Waupaca a "Three Thousand Dollar Show." No efforts have been spared to make this a successful event. Address the secretary for lists and entries. W. H. Laabs, Waupaca, Wis.

GENERAL MENTION.

The Monroe Poultry Association will hold a show at Monroe, Wis., December 4, for one week. O. J. Dietz, sec., Monroe, Wis.

A show will be held at Wellington, Ohio, December 8 and 9, with Chas. McClave as judge. C. L. Warren, of Wellington, is secretary.

The North Missouri Poultry Association will hold its show at Kirksville, instead of Macon, December 4 to 8. E. M. Durham, sec., La Plata, Mo.

A poultry show will be held at Brodhead, Wis., by the Southern Wisconsin Association, January 16-21, 1900. W. H. Clarke, Sec., Brodhead, Wis.

The Northern Indiana Association will hold a show at Goshen, January 4 to 9, 1900. Premium list is now ready. Address J. A. Babcock, Goshen, Ind.

The premium list of the Elgin Poultry Association is handsomely got up. A copy can be had of Chas. P. Russell, Elgin, Ill. The show will be held December 25-28.

The Will County Poultry Association, Joliet, Ill., will give a poultry and pet stock show from Jan. 1 to 6, 1900. A large list of entries is expected, as the association has left nothing undone to make this, their first annual show, a

decided success both financially and otherwise. The premium list is a good one and can be had by writing the secretary, Thos. B. Suplee, Jr., Joliet, Ill.

The Wilkes Barre Poultry Association will hold its show December 18 to 23. Premium list can be obtained of E. S. Kirkhuff, sec., 56 Carey avenue, Wilkes Barre, Pa.

The Vermilion County Association will hold its seventh annual show at Danville, Ill., December 26 to 30, with B. N. Pierce as judge. Address A. L. Rice, secretary, Danville, Ill.

Cedar Falls, Ia., is preparing to beat its last year's record by putting up a great show January 2 to 6. Theo. Hewes will judge. Address H. W. Conrad, secretary, Cedar Falls, Ia.

The Garden City (Kan.) Poultry and Pet Stock Association will hold their third annual show January 11 to 13, 1900. D. T. Heimlich, judge; A. S. Parson, secretary, Garden City, Kan.

The Jamestown Poultry and Pet Stock Association of Jamestown, N. Y., will hold its annual show December 20 to 26. F. B. Zimmer, judge; J. W. Morris, M. D., secretary, Jamestown, N. Y.

The Aurora Association will hold its show at Aurora, Ill., December 26 to 30, with D. T. Heimlich as judge. J. M. Reil will judge the pigeons. Address Herman Moser, secretary, Aurora, Ill.

The Palmyra Poultry Club of Palmyra, Ill., one of the oldest clubs in this state, are offering $800 in premiums on their unique "equality" plan. For particulars address Scott Etter, Palmyra, Ill.

The American White Minorca Club sends out a fine description of that beautiful and fecund fowl from the pen of its active president, J. W. Lyder, who is also president of the Akron, O., Poultry Club.

The Central Oklahoma Poultry Association will hold a show at Kingfisher, Ok., January 10 to 13, 1900. C. H. Rhodes will judge. G. D. Moss is superintendent. R. F. Stephenson, sec., Kingfisher, Ok.

Flint, Mich., will hold a show Feb. 7 to 10, 1900. James A. Tucker will act as judge. Special premiums. All breeders are invited to bring birds. Newsstand free. Address Frank Bovee, secretary, Flint, Mich.

The second annual exhibition of the Wenona Poultry Association will be held at Wenona, Ill., December 18 to 22, 1899. D. T. Heimlich will do the judging. Indications point to this being one of the largest and best shows in Central Illinois. The association offers liberal cash prizes on each variety of land and water fowls; also $100 in specials. Any one desiring premium list can have same by addressing Otis Montgomery, Secretary, or C. A. Axline, Corresponding Secretary, Wenona, Ill.

The Lamoille Poultry, Pigeon and Pet Stock Association will hold their second annual show at Lamoille, Ill., December 5 to 8, 1899. Judges, J. M. Rapp, Lamoille, and Jas. Garvin, Princeton, Ill. Secretary, C. W. Ough.

The Galena Association will hold its second show December 27 to 30. The special cash premiums amount to $225. The regular offerings embrace all classes. F. H. Shellabarger will judge. Address F. J. Hoelting, Galena, Ill.

Columbus, O., will witness a fine poultry show January 18 to 23. The largest hall in the state for such uses and a list of premiums of the very best sort will attract a crowd. The secretary is Chas. McClave, New London, O.

This association offers $325 in cash and special prizes at their first annual show, to be held at Elgin, Ill., Dec. 25 to 28, 1899. Premium lists can be had now by addressing Charles P. Russell, corresponding secretary, Elgin, Ill.

The Fayette Poultry Association will hold its show at Uniontown, Pa., January 24 to 27, with D. J. Lambert as judge. A. W. Craig is superintendent. The secretary is Charles D. Conger, editor *Democrat*, Uniontown, Pa.

The Crestline Fanciers' Association will hold its second annual show, with I. K. Welch as judge, at Crestline, O., December 12 to 16. A gold special of $50 is offered for the 50 highest scoring birds of any one variety by one exhibitor. E. R. Warden, sec., Crestline, O.

The Arkansas State Association will hold its third show at Fort Smith, December 18 to 23. H. A. Bridge will judge. A wide area of country in the southwest will be represented. This is a splendid field. The list is ready. Address H. B. Mizell, Pine Bluff, Ark.

The Fanciers' Association of Indiana will hold a show in Tomlinson's hall, Indianapolis, beginning December 11. B. N. Pierce and Ben. S. Myers will judge the poultry. Pet stock and dogs will be placed in competent hands. Address, for lists, J. C. Tarkington, Indianapolis, Ind.

A score card received at a show where competition is sharp and three specialty judges to judge will pay any breeder for his trouble and expense. The North Central Illinois Association has always paid its premiums in full. They are on the percentage plan, with first, second, third and fourth, besides a fine lot of special premiums, with class sweepstakes, and a $50 grand sweepstake. This is one of the largest shows in the state and run strictly on business principles. The fifth annual show will be held at Princeton, Ill., January 15 to 19, 1900. Send for catalogue to S. L. Smith, secretary, Princeton, Ill.

The New England Barred and White Plymouth Rock Breeders' Association will meet in Boston during the Boston poultry show. The fanciers of these varieties are invited to join the Association. Fees, $2 first year, $1 annually thereafter. Address W. B. Atherton, Randolph, Mass.

The Fall River (Mass.) poultry show, December 13 to 16, promises to eclipse former efforts all along the line. This is particularly noted as the Rhode Island Red show, the record for a collection of this breed being made last year, when 82 birds of the variety were in competition. John Crowther, secretary, Fall River, Mass.

The largest poultry show to be held in the state of Kansas this year will be held in at Salina, Dec. 19 to 23. Over $900 in cash premiums are offered and payment of same guaranteed. Competition open to the world. Make arrangements to attend. Bring your birds. Write the secretary for premium list. W. C. Sherrill, secretary, Salina, Kan.

The Toronto, Can., show December 18 to 22, promises to eclipse all previous exhibitions by that association. Canaries and cage birds are especial features. The special and regular premiums are liberal in all classes. The White Plymouth Rock Club will hold its annual meeting there. Address, for details and list, A. W. Bell, 536 Ontario street, Toronto, Canada.

The Akron Poultry and Pet Stock Club is preparing to give the best show it has yet held. The date is January 2 to 6. The poultry judges are J. Y. Bicknell and M. E. Wurts, while J. H. Wallace will judge the pigeons and pet stock. The premiums are guaranteed by the club. Its membership numbers over 100. Premium lists can be had by writing the secretary, J. Asa Palmer, Akron, Ohio.

The Elmira Poultry Association of Elmira, N. Y., will hold its fourth annual show, December 4 to 8, under favorable conditions. B. G. Smith is president, Judd H. Johnson secretary and F. L. Landon treasurer. The finances have been well looked after. Payment of all winnings is guaranteed. Stancliff hall, which is admirably adapted to the purpose, has been engaged. Geo. M. Diven, an experienced and popular fancier, will act as superintendent. The birds will be scored Tuesday and Wednesday by Judges Zimmer and Burgott. The association is incorporated, with a capital stock of $500, and owns its coops. The event will surely be a notable one.

CHICAGO POULTRY SUPPLY HOUSE

We carry in stock every description of Poultry Supplies. Incubators, Brooders, Bone Cutters, Oyster Shells, Grit, Blood Meal, Peas, Millet Seed, Beef Scraps, Coops, Drinking Fountains, Lice Killers, Roup Cures. Buy of us and save the freight from eastern points. Send for catalogue.

F. S. BURCH & CO.,
178 Michigan st., Chicago, Ill.

Published the first of each month by
MORGAN BATES & CO.

Entered at the postoffice at Chicago, Ill., as mail matter of the second class.

Subscription price 50 cents a year in advance.
When delivered by carrier in Chicago 75 cts. a year in advance.
Payment for AMERICAN POULTRY JOURNAL, when sent by mail, should be made by money order, registered letter, bank draft or express money order.
Stamps can be sent for small amounts.
Write name and address plainly, then if the JOURNAL does not reach you promptly advise us.
Advertising rates made known on application.
Under the head of "For Sale" and "To Exchange" a 30-word ad., three insertions, and the JOURNAL one year for $1.00. Single insertions 50 cents.
Your name in "Reliable Breeders" column for one year, $2.00. For additional insertions under different headings, $1.00.
Yearly advertisers to the amount of five dollars or more will receive the JOURNAL a year FREE.
The reliability of new advertisers must be ascertained before an insertion of an ad. in the columns of AMERICAN POULTRY JOURNAL can be made. This is a business matter, the justice of which is readily seen, as protection to the readers who answer advertisements.
A REQUEST. You will confer a faver by mentioning AMERICAN POULTRY JOURNAL when answering advertisements.

21,000 COPIES OF AMERICAN POULTRY JOURNAL FOR DECEMBER, 1899.

J. L. Regan, of the Regan Printing House, Chicago, Ill., printers and binders, being duly sworn, states that his house has a contract for printing and binding twenty-one thousand (21,000) copies of American Poultry Journal, consisting of 52 pages, for December, 1899.

J. L. REGAN.

Personally appeared before me the above mentioned J. L. Regan and made affidavit to above.

[SEAL.] WALTER J. THRUMSTON,
Notary Public.

THE CHICAGO SHOW.

In our last issue we gave an exterior view of the Chicago Coliseum Building, in which the National Fanciers' Association expected to hold their fourth annual exhibition. We are now informed that owing to the delay, caused by inability to procure the necessary structural iron, the building will not be completed in time. The management of N. F. A. has, therefore, been forced to rent Tattersall's, in which the joint show was held last year.

We give an interior view of Tattersall's as it appeared during the recent Street Railway exhibit. While it does not compare favorably with the new palatial Coliseum, yet in size—being 260 feet by 148 feet—heat, light, ventilation it is all that can be desired.

A. H. Hunter has retired from the editorship of *Farm-Poultry*. He is succeeded by John H. Robinson. A new policy is announced, the chief features of which, in the reading matter, closely resemble those long in vogue with AMERICAN POULTRY JOURNAL. The new management states that *Farm-Poultry* will discontinue the publication of free reading notices for advertisers and complimentary notices of itself. Mr. Hunter has labored faithfully for ten years to bring *Farm-Poultry* to a foremost rank in poultry journalism, thereby winning success for his employers and honors for himself. He will be missed by his old associates. Mr. Robinson is cordially welcomed to the new field.

At the last monthly meeting of the National Fanciers' Association of Chicago L. B. Richardson presented life-sized colored pictures of five popular breeds. These designs were to illustrate a point in his able paper. The breeds shown were Light Brahma, Buff Cochin, White Plymouth Rock, White Wyandotte and White Leghorn. Mr. Richardson disclaims the name of artist, but we do not know anyone, except Mr. Sewell, who is more rightfully entitled to that distinction. He is a most conscientious student of fowls and is gifted with the power to portray them artistically.

"BARRED BUFF" PLYMOUTH ROCK.

George W. Hamm, of Battle Creek, Mich., the well-known breeder of Buff Plymouth Rocks, sends us some specimen feathers from a cockerel which he naturally terms a "wonder." The feathers distinctly barred in buff, with delicate creamy white fluff and only a trace of black on the upper edge of fluff. The upper surface of shaft is buff. This bird is a cross between Buff and Barred Rock. Except for a few tail feathers it is a perfect Barred Buff Rock. The barring is even and distinct, the shape beautiful, the size good. He has red ear lobes and good comb. The bird will be shown this winter. If Mr. Hamm had a pullet of this sort a new variety would certainly be started, because these feathers suggest a most pleasing effect in coloring.

A CORRECTION.

A statement made by THE JOURNAL, on page 480, in November issue, under heading of "Fishel's Fine Record," was inaccurate. The winnings at Indianapolis were in 1898, not 1899. The winnings at the St. Louis Fair, 1899, were on pairs, except in the case of pen. Mr. Fishel has changed his ad in this number of THE JOURNAL to correctly describe the records.

POULTRY IN INDIANA.

Indiana is a state made famous in the poultry world by its many successful breeders. It is the scene of large poultry industries. A representative of THE JOURNAL recently visited three of the well known poultrymen in northern Indiana and enjoyed a brief sojourn among them. Westville is a busy town, and contains the yards of G. C. Flegel and Luny Reynolds. Nearby is the farm of James N. Hutton & Son, of Door Village.

Mr. Flegel's stock never looked better than at the present time. His fowls are in perfect health. The pullets, kept for breeding, are in extra good shape. Mr. Flegel is a Wyandotte specialist, but has also Buff Cochin Bantams. Among his Wyandottes, the hens are through molting and are full of business, weighing from 7½ to 8½ pounds. They are already laying. Two 93-point cockerels are heading pens. The cock that heads the pullet pens is marked 94½ by Bridge. Mr. Flegel never breeds from a bird that has been sick. Trade was never better. Orders for stock are being declined and orders for eggs are being booked for future delivery all over the country. The Buff Cochins are bred to true shape.

Mr. Flegel's place is fitted with an electric burglar alarm that is satisfactory. He is also making the Wabash brooder, a machine that is destined to become popular. He is a genial, hospitable man, and one whom we can cordially commend.

Luny Reynolds breeds Single-comb Black Minorcas. He has fifteen cockerels and about thirty pullets of this variety to spare—which are promising specimens. Mr. Reynolds has set his ideal so high, and is so frankly honest in stating his opinion of his own birds, that we can present his name as one worthy of high regard. No breeder of the Minorca has a truer appreciation of values than he, and he is just the kind of man Minorca fanciers will enjoy corresponding with on the merits of their respective flocks. Whatever Mr. Reynolds says can be relied upon as the literal truth.

A short drive from Westville takes one to Door Village, where James N. Hutton & Son have a farm on which to raise their favorites. The White Plymouth Rock will be the leader. This popular variety will be made the subject of special attention on the Hutton place and our readers will do well to write for a description of the stock. A list of winnings is shown which were taken at various Indiana shows.

AN EXPLANATION.

No doubt the readers of the November AMERICAN POULTRY JOURNAL thought it strange that two White Plymouth Rock breeders advertised the same winnings at the Indiana State Fair. If they will again read my ad they will see that I stated the date—1899—and the other breeder did not. I deem this explanation necessary in order to let the public decide which is the fairer advertisement. I honestly defeated this competitor and yet he claims his stock is "the best in the world." His claims regarding the St. Louis and Chicago shows are likewise are misleading. The former awards were on pairs. At the latter show he did not win 2d on cockerel. I leave this matter in the hands of an impartial public. [Signed] R. M. GARD.
Frankfort, Ind.

CORRECTION.

In a notice given last month for S. F. Flint, of Peoria, Ill., we stated that he advertised Barred Plymouth Rocks and Silver Wyandottes. This should have read *White* Wyandottes instead of Silver Wyandottes, and we make this correction to set Mr. Flint right.

THE JOURNAL urgently reminds its patrons of the necessity of sending advertisements so as to reach this office prior to the 20th of the month preceding date of issue. The first forms go to press on that day. Changes of copy must be in hand in time to admit of careful composition. New ads cannot be accepted later than the 20th. We wish to please our friends, but we cannot hold THE JOURNAL later than that date, because of the large circulation.

OFFICERS OF AMERICAN ROSE-COMB BROWN LEGHORN CLUB.

W. W. Kulp, Pres., Pottstown, Pa.

L. L. Doolittle, Vice-Pres., Bernardston, Mass

Chas. M. Zink, Sec-Treas., New Albany, Ind.

POSSIBILITIES OF THE POULTRY INDUSTRY.

That the poultry industry of the west and the whole United States, for that matter, is rapidly assuming proportions far beyond the average comprehension, is a fact which is dawning upon the minds of those who are giving the subject any investigation whatever. This is attested by the statement of the editor of a prominent poultry journal in a recent interview in which he says: "Much has been said in the various newspapers in regard to the magnitude of the poultry business in the United States. I tell you that in spite of the astonishing figures presented, the poultry industry is yet in its infancy, and there is no limit to its possibilities." These statements count in a large measure for the general interest taken in the subject of artificial incubation and brooding, and the greatly increased inquiries for incubators and brooders which fulfill all the requirements of such machines. These inquiries may be satisfactorily answered by referring the readers to the advertisement of the Des Moines Incubator Company, which appears on another page of this paper. By the way, the 1900 catalogue of this company is just off the press. It is a catalogue of unusual merit because of the fact of its modest though detailed statements of the character and class of machines which the company are offering for sale. Every machine is illustrated and described in full, the aim being to give to the reader every bit of information that would be required to enable him to make a selection with the same wisdom that he would exercise had he the machines before him. In addition to full descriptions and prices of all incubators and brooders which the company make, the book contains also a largely increased quantity of poultry information covering the entire business from start to finish, and giving the results of practical experience to the exclusion of theoretical propositions so common in works of this character. Aside from these, the book also contains several hundred testimonials from parties who have given the machines actual trial and found them highly satisfactory. We have room but for a single one of these, that of Howard M. Jones, of Knoxville, Iowa, a prominent breeder and importer of Standard poultry, who is a member of McKee & Jones that have met with wonderful success at the leading poultry shows of the west. Mr. Jones says: "I have used a Successful incubator for three years with good results. I have had occasion to examine a number of other makes, and would not exchange my Successful for any other hatcher I have yet seen." We urge every one of our readers to send for a copy of this catalogue. Enclose 6 cents for it to the Des Moines Incubator Co., Box 1, Des Moines, Iowa.

ECONOMICAL WINTER RATIONS.

Variety is required for producing eggs in winter, the same as in spring and summer. A study of the habits of hens, writes O. E. Brown, shows that they do best when allowed to select a portion of their daily allowance. Close observation will further show they are fond of nipping white clover leaves, green weed, seeds, young grass shoots, and various other kinds of food of a bulky nature. They will leave grain for insect food. These facts should teach the poultry keeper how to make a balanced ration for egg production. In winter, when the flock is necessarily deprived of the natural requisites specified, the aim should be to supply as far as possible these essentials in some form or other. Clover has proved itself to be a most excellent bulky food, rich in nitrogen. Raw green bone takes the place perfectly of insect food. The clover should be cut fine and scalded and the water drained off after it has cooled, then mixed with wheat bran and fed at once to the hens. It is a very suitable midday meal in winter. The shatterings from a mow of clover at the barn are excellent to use for the purpose. The raw green bone should be cut fine with one of the regular bone mills made for the purpose, and in winter an allowance of half an ounce every day to each hen will be sufficient.

The farmer is rightly situated to make poultry pay if he will only improve his opportunities.

Death to Lice Remedies.

YOU CANNOT

make a success of poultry keeping unless you continually fight against the insect pests You cannot always, sometimes tell whether hens are lousy or not, unless you look them over often and closely, especially among their fluffy feathers around the thighs and vent. You cannot expect hens to lay eggs molt nicely and support a lot of vermin. You cannot blame them if they die in the attempt.

YOU CANNOT

rear your winners and a crop of lice on the same place, and you cannot make money enough to buy any under these conditions. You cannot afford to do business that way You cannot do a more sensible thing than to use Lambert's Death to Lice Powder. You cannot injure your show birds with it. You cannot use too much. You cannot stain or injure the finest plumage even if dusted while on exhibition.

YOU CANNOT

find any fault when we let others also tell our story:

Monticello, Ga. Aug., 11th, 1899.
D. J. Lambert, Apponaug, R. I.

DEAR SIR:—We use your Death to Lice constantly, and have been using it for the past six years, buying it from your state agent in large quantities. We have tried all kinds of powder, liquid and other insecticides and state unhesitatingly that we would rather have one pound of D. to L. than five pounds of other preparations at same money. E. S. Broddus, Manager, The Central Georgia Poultry & Pet Stock Yards.

YOU CANNOT

make a mistake and order too much Death to Lice. If not satisfactory or does not sell we buy it back at any time. You cannot do a better thing than to stock these remedies in full. You cannot fail to make a good profit on the venture. You cannot lose money. You cannot find a more liberal inducement than what I offer. You cannot learn all the good purposes for Death to Lice until you have tried it.

YOU CANNOT

spend a cent to better advantage than to buy a postal card and send me your address for "Pocket Book Pointers." You cannot fail to find something in them to interest and instruct you. Remember we make a "Powder" for body lice on fowls and large chickens. An "Ointment" for head lice on children or chickens. "Special" for dissolving in kerosene as a liquid louse killer, or paint. Samples 10c each, all three for 25c.

D. J. LAMBERT,
Box 308. Apponaug, R.

Poultry Illustrations.

[The following paper was read before the National Fanciers' Association of Chicago at the regular meeting, November 1, by the author, L. B. RICHARDSON, of Chicago, whose work as an illustrator is well known to the poultry fraternity.]

IN previous meetings of this association we have been interested and instructed by ably prepared papers upon the subjects of poultry advertising and poultry literature. There is, however, one other subject that represents an important, yes, necessary, feature of any publication that seeks to interest the public, namely: Illustration.

This is a pictorial as well as a reading age. I say pictorial, for the public at large is not very discriminating, and almost anything in the way of a picture may reasonably hope and expect to catch the public eye. The picture that is truly and essentially an illustration, however, is of particular interest to the public and of particular value and importance to the publisher, whether he be the owner of the magazine or that more important individual, so far as the publication's prosperity is concerned, an advertiser in its pages; for in either case it is of immense power in selling the particular thing that it illustrates. This, in my humble judgment, is no less true of poultry and the poultry press than of anything else. Indeed, I think it is of especial importance in this line, and I think that opinion has been held by those best qualified to judge for thirty years or more.

I have spoken of pictures that are truly and essentially illustrations. To illustrate is to make clear, bright and luminous, according to the dictionaries (Century); to make plain and conspicuous to the mind; to display vividly. It is in the strict sense of the dictionaries, rather than in the loose sense in which the term is applied to the pictures that illuminate and make bright the pages of popular novels, that we must consider the subject with reference to poultry and the poultry press and advertising. I may say, however, that the editors of the poultry press may well get some hints from the methods of the publishers of these novels, and so help the matter of poultry advertising by adding to the attractiveness and interest of their journals.

Artistic Skill Required.

But I am turning from my proper path. To come back to the subject, I believe that to make poultry illustration of value to anyone the workmanship must be of the very highest artistic skill and merit. It is probably more true of artists than of any other class of people that they are born and not made. The proper instinct and appreciation of the subject cannot be created, though it may and must be cultivated, trained and developed. The eye must be trained to see; the hand to follow the eye. Visual truth is the primary object. If he has not the ability to see the truth, and, having seen it, to transfer it to his canvas or sketch book, the artist, if he may be called such, is of no value for our purposes. To be a successful illustrator the man must not only have the technical ability of the artist, but he must know his subject quite as well. He must not only have the artist's instinct and the artist's craft, but he must also know to what to direct that instinct and to what to apply that craft. That great French painter Meissonier, when painting his famous picture "1807," in which Napoleon majestically appears upon his white war horse beaten by a terrific snowstorm, spent days on a housetop studying the snowstorms and working away at his canvas seeking the proper effects—the visual truth of the thing.

Animal painters, the famous ones at least, have studied their subjects quite as thoroughly, and loved them more—and therein lies much of the secret of their success. Take the great Landseer and his dogs that he so delighted to paint as no other man before or since could, and Rosa Bonheur with her pictures of sheep and cattle; and, among the living, the American Church and his lions, and Harrison Wier, England's aged and great animal artist. Great and successful these have all been in the particular lines in which they were specialists, but it remained for America to produce the greatest of all painters of poultry—Franklane L. Sewell. No branch of illustration has a representative artist who is his superior. As Editor Curtis has fitly said, it is a blessing to the poultry industry that he has turned his splendid talents to poultry illustration.

Value of Illustrations.

This brings us to the subject of the necessity of illustration as applied to all branches of trade and agriculture. I have briefly mentioned its value to publishers of periodicals and to the advertisers therein, and its interest to the readers. In a class publication this interest to the readers is not merely because of the illustration's beauty or interest as a picture, but because it has a peculiar business value to those readers. It brings out the points and nature of the subject, makes them luminous, plain and conspicuous to the mind, to quote the dictionaries again. And they are particularly interested in that very subject or thing which is thus illustrated. You might talk for hours or paint word-pictures by the column, but you could not make plain to the person's mind what the artist's brush or pencil will show him in a minute. He is given in the picture the representation or reflection of the very thing itself, unless your artist is incompetent and so has failed of his purpose. If the reader can benefit from anything in his class paper, how much more can he benefit from such a reproduction of the very thing in which he is interested? But to benefit him and hold his interest the illustrations must be correct in principle, though it may not be absolutely so in detail.

Fanciers have charged that individual birds have been overdrawn, thus deceiving prospective purchasers. This is denying honesty either to art or the artist. I have seen in the yard of the breeder, and I believe we all have, fowls in perfect pose and so symmetrical, animated and beautiful that I felt no picture could do them justice. Mr. Sewell puts all the grace of the trained dancer into his representation of fowls' feet, yet entirely within the possibilities of nature. And why not? What would you think of the photographer who would not make you appear to the very best advantage—bring out all your best points, though your friends may never have noticed them before? You don't ordinarily arrange and carry yourself as the photographer makes you, but it is his business to make you do so while you are under his charge, and you wouldn't like if it he didn't! The same principle applies to commercial illustrations of poultry or anything else. The artist is certainly not bound to make his subject appear as bad as possible, and I venture the assertion that if he did such underdrawing actually would be, and would be considered, as great, if not a greater fault, than overdrawing, if such a thing has been done, which I do not concede.

A Deserved Recognition.

I believe that most of the superb specimens illustrated by Mr. Sewell would appear in a photograph with equal beauty and value in symmetry and in everything that goes to make a picture beautiful, if it were possible to obtain a natural pose for the camera, but it is not. When and where have you ever seen a fowl photographed in the natural pose shown in Mr. Sewell's drawings? Such pose can be obtained before the camera so rarely that it is practically, if not absolutely, impossible. But even if the pose were obtained, the detail of plumage is, in most varieties, too indistinct to enable the camera to produce an illustration of color, its shades, variations, and limits. The plumage of certain sections of Barred Plymouth Rocks, such as the wing, have been photographed successfully where the pose of the whole fowl was of no importance, but that is a very different proposition.

As an advertising proposition illustrations from the hand of a first-class delineator (and in my judgment we have but one), while apparently expensive, are a cheap investment for any breeder who has enough stock for sale to warrant the outlay. In other lines of business the largest and most successful advertisers frequently spend almost as much on the preparation of the advertisement as they do for the space that it occupies. Among general advertisers there are two admitted principles: One, that an illustration or picture of any kind adds immeasurably to the attracting and selling power of the advertisement; and another, that that illustration is best which correctly and plainly shows the particular thing that is advertised. This is quite as true in regard to poultry advertising as to anything else.

Processes in Use.

There are two processes of producing these illustrations that are available for commercial purposes because of their excellence and attractiveness and also because of their low cost. These are zinc etching and half-tone engraving. Pen and ink line drawings are reproduced by zinc etchings. In this process a pen and ink outline sketch is made two or three

times the size the reproduction is intended to be made, though if the drawing is plain and distinct practically any sized reproduction desired can be made. The drawing is photographed onto the zinc plate, and by means of acids the plate is so eaten away in certain parts, and as a result of the preparation of the plate, so preserved in others, that the lines stand out and print exactly as they appear on the paper in the original drawing.

If, however, the reproduction is to be made from a photograph or what is called a wash drawing, or from a picture or object where there is a gradation of color, what is termed the half-tone process must be employed. This consists in placing in front of the sensitive copper plate a transparent screen having a network of fine lines mechanically ruled upon it, the number of the lines and the fineness or coarseness of the divisions depending upon the kind of paper on which the cut is to be printed. If this difference in papers is not counted on and considered the best results cannot be obtained in all publications, though if a cut is made for general magazine work the grade of paper will not vary enough to make the differences in results noticeable to the untutored eye. These lines break up the image into a mass of fine dots, varying in size according to the amount of light composing the various parts of the image passing through the network of the screen. A polished plate of metal (copper being used for the finest work) is coated with a sensitive solution, and when dry exposed to light beneath the collodion negative through the screen. An image capable of resisting the acid etching fluids is thus produced upon the plate, and it can be printed from on the ordinary printing press. No hand work with engraving tools is necessary.

Cuts for Advertising.

These plates can be used, and are widely used, in advertising, as you will see by consulting the pages of any magazine. Their value to an advertiser who has anything worth illustrating and enough of it to justify the expense can hardly be overestimated.

When I bred fowls I used a cut of a typical Indian Game cock and found it of great value in attracting attention to the advertisement, and as the cut was as near the truth as it is possible to make one I was proud of it.

The idea of new breeders being deceived by fine illustrations of individual birds is, it seems to me, absurd. They are no more likely to be deceived by the picture than they would be if they were looking at the fowl itself. Possibly some allowance should be made for differences between nature and the picture, for it is not always possible to bring out every detail of nature in its sharpest light and effect, but there is no less likelihood of emphasizing the defects than there is of emphasizing the good points. However, did you ever see a picture of a building that was not 100 per cent more grand and majestic in appearance than the building itself?

I have already referred to the use of illustrations in the editorial pages. What can be more dull, unattractive, yes, forbidding, in appearance than the pages of a periodical that never gives illustrations? And how much those illustrations light up the pages in which they appear! But their value is not limited to the pleasure they give and the stimulus to read those pages that they afford. In a business publication, and a poultry journal certainly is such, they have a business value; if they are of the proper character and of the requisite standard of workmanship, and editors who seek to serve and please an intelligent constituency, cannot afford to accept any other. Money so spent is well spent even for the editor, and the breeder of fine fowls can well afford it for the purpose of showing his birds to his brother breeders. By doing so he is helping the good cause of higher class breeding, for which he should feel glad, and toward which he should be willing to do his part. But that is not all, and if he is sufficiently mercenary to consider the point as a prerequisite to his doing this he may well consider that he is getting the very best kind of advertising—getting it practically free in proportion to its value. There is not an editor in the land who would not be glad to give space to a good illustration and a good reading notice in this line. They not only desire to do so, but it is to their business advantage to do it, but this advantage to them is more than offset by the advertising advantage to the breeder.

True to Life.

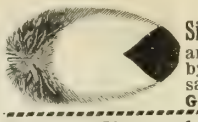
In short, illustrations can be and are being made that are almost exactly true to life; they are not expensive when their value is considered; they do not deceive nor is there any reason for their deceiving anybody even if they are a trifle overdrawn, which I do not admit; they are of inestimable value both to the publishers and readers when used in the editorial pages, and to the advertisers in the columns devoted to that class of matter; and, if properly drawn and made, to the fraternity in general, no matter in what department they appear.

It would be gross ingratitude to pass this subject without acknowledgment of the great service rendered the fraternity through the instruction the drawings of B. N. Pierce have afforded, although perhaps they are not as artistic in detail as those of Mr. Sewell. Very creditable work has also been done by L. P. Graham, Bert Pierce, S. Z. Harroun and E. A. Wader. The writer has been guilty of a few attempts in this direction, but has made no pretensions whatever as an artist and has never used the word in connection with his name. Mr. Sewell has set the mark of excellence so high as to almost exclude the work of many which might otherwise be considered good.

L. B. RICHARDSON.

BONE CHICKEN MEAL.
(dry or green)
Ground Pork or Beef Cracklings,
In quantities of 200 lbs. or over.
$1.25 per 100 lbs.
OSHKOSH SOAP CO., OSHKOSH, WIS.

Damon Strain
S. C. Brown Leghorns
are recognized as prize winners. They have large size, typical carriage, and are great egg producers.
I Breed them **Exclusively.**
Exhibition Birds a matter of correspondence. ***Breeders*** dirt cheap—$2 to $4.
C. M. DAVIDSON,
3717 W. 64th Place, Chicago Lawn, Illinois.


WHERRY'S
Silver Spangled Hamburgs
are winners. Scored birds by Bridge and McClave for sale. Write
G. G. WHERRY, Galena, O

In Order to Dispose of
20 Partridge Cochin Cockerels
Before January 1st
Will sell them at $2 each. Fine, large, well-feathered, fancy birds. Better send to-day.
H. A. TOWNE, Sac City, Iowa.

Mammoth Bronze Turkeys
Standard Bred.
Have never failed in the show room for the last three years. Birds scoring from 95 to 97½ points by prominent judges. Stamp for reply.
BOWLUS BROS., Fremont, Ohio.

1890 TEN YEARS. 1900
BLACK MINORCAS—Exclusively.
Strong, nice birds for sale.
No inbreeding.
H. H. WALLIS, Delavan, Wis.
1890 TEN YEARS. 1900
Mention this paper. Box 17.

TURKEYS—Wild and Bronze-crossed
Light Brahmas.
S. C. B. Leghorns.
Choice stock can be supplied now.
W. K. LAUGHLIN,
Thayer, Mo.

500 Youngsters For Sale Now.
BRECKENRIDGE POULTRY YARDS,
Breeders and Shippers of
Barred and White Plymouth Rocks, S. C. Brown and White Leghorns and Pekin Ducks
Will sell 100 cockerels at prices that will suit you, within the next 30 days. Won 48 premiums in two shows in Aug. They win for us, they will win for you. Write your wants and get prices.
PFRIMMER & LeMAY, Breckenridge, Ind.

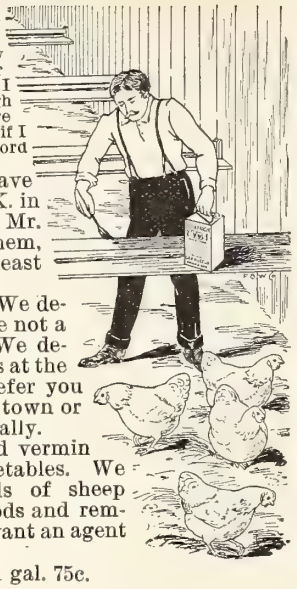
PHELPS'S WHITE ROCKS
Have the Shape, Size and Color.
They win for me, they will win for you. Cock 95½, hen 95¾, pullet 95½, cockerels to 95, in the show room under the best judges. Show and breeding stock for sale. Prices right. No one can sell you better. Write.
FRED J. PHELPS, Bucyrus, Ohio.

A Chance For Your Life.
Closing Sale. Entire Stock.
Langshans—1 ck. 8 hens. 5 ckl., 10 pul. $1.25 each.
Buff Cochins—1 ck., 5 hens, $8.
White Cochins—12 hens, $16.
P. Cochins—2 cks., 8 hens, $12.
D. Brahmas—1 ck., 8 hens, $10.
L. Brahmas—1 ck., 5 ckls., 5 hens, 15 puls., $1.25 each.
W. P. Rocks—1 ck., 5 hens, $6.
B. P. Rocks—1 cks., 3 ckls., 15 hens, 20 pullets, $1 each.
Am. Dominiques—2 cks., 10 hens, $12.
Black Javas—1 ck., 3 ckls., 8 hens, $13.
Red Caps—1 ck., 12 hens, $13.
Houdans—1 ckl., 6 hens, 3 pullets. $10.
Golden Polish—2 cks., 2 ckls, 10 hens, 3 puls. $17.
G. S. Hamburgs—1 ck., 7 hens, $8.
Silver Wyandottes—1 ck., 3 ckls., 8 hens, 5 pullets, $17.
Black Minorcas—12 hens, $12.
Buff Leghorns—1 ck., 12 hens, $12.
S. C. B. Leghorns—1 ck., 5 hens, $6.
R. C. B. Leghorns—1 ck., 1 ckl, 6 hens, $8.
S. C. W. Leghorns—12 hens, $12.
R. C. W. Leghorns—1 ck., 10 hens, $10.
C. I. Games—1 ck., 9 hens, $15; 3 ckls, 7 puls. $10.
B. B. R. Games—2 ckls., 1 hen, 4 puls., $7.
Blue Andalusians—2 cks., 3 ckls., 6 hens, 3 pullets, $16.
B. B. R. Game Bantams—1 ck., 3 ckls, 2 hens, 10 pullets, $14.
50 Pekin Ducks—Drakes 75c, ducks $1 each.
50 W. H. Turkeys—$5 per pair.
Toulouse Geese—2 ganders, 10 geese, $25.
Send 10 cents for illustrated catalogue.
E. H. COOK, Huntley, Ill.

About Lee's Lice Killer.

We received a letter to-day from Mr. H. B. Chase, of Alexandria, La., as follows:

Please say if you have an agent anywhere in this vicinity for your Lee's Lice Killer. I have tried it and have never found its equal. It really does more than is claimed for it. I I want a small quantity, but the express charges are so high that I cannot afford to get it at Omaha. I got a gallon there once, but express and all made it quite expensive. Of course, if I cannot get it nearer, will have to order of you, as I cannot afford to be without it."



Now, we have an agent at Alexandria and have written Mr. Chase that he can obtain our L. L. K. in his home town. There are many people just like Mr. Chase. They want our goods, perhaps have tried them, but do not know just where to get them at the least expense.

It is from these people that we want to hear. We desire first an opportunity to prove to you that we are not a lot of fakirs but have good goods at a fair price. We desire next to assist you in obtaining these good goods at the least possible expense. It is possible that we can refer you to some agent or dealer in your own or a near-by town or otherwise supply your needs quickly and economically.

We are headquarters for all kinds of insect and vermin destroyers for poultry, stock, trees, plants and vegetables. We have twelve kinds of these, including four kinds of sheep dip. We also manufacture stock and poultry foods and remdies. Our catalogue and price list is free and we want an agent in every town.

Price of Lee's Lice Killer, 1 qt. 30c; 2 qt. 50c; 1 gal. 75c.

Write us at Omaha headquarters and we will send you a sample of Lee's Lice Killer and a 64 page book on Insects. Send 6 cents for postage. We will also tell you how to get **FREE.** A gallon of Lee's Lice Killer and an Aspinwall Sprayer. It won't cost you a cent for express.

We will pay $100.00 reward for the arrest and conviction of anyone guilty of adulterating or otherwise tampering with our goods, or of selling other goods as ours. Buy only in our original packages and never return a package to be refilled.

GEO. H. LEE CO.,

Omaha, Neb., or 68 Murray st., New York.

WHITE PLYMOUTH ROCKS

THAT WIN—GARD'S.

INDIANA STATE FAIR 1899.

My stock is starting out this season at their established prize winning pace, winning at late Indiana State Fair, in a class of 126, as follows: 2nd cock, 1st, 2nd hen, 1st cockrel, 1st and 2nd pullet, 1st pen. Pierce and Barker, judges. This was the "hottest" show of the season. and I won these honors with 10 birds against one fellow who advertises his stock as "the best in the world".

AT CHICAGO 1899.

My birds won six prizes, and at **INDIANAPOLIS** for past four years they have been winners. Circular free. Write your wants.

R. M. GARD,

Box A. **FRANKFORT, IND.**

A Wonderful Poultry Book.

"POULTRY FOR PROFIT" is the name which we have given our new poultry book for 1900. We have the reputation of sending out the best and handsomest poultry catalogue and this year our book is 100 per cent better than the best one we ever published. We show in their natural colors Buff Cochins, Buff Rocks, B. P. Rocks, Black Langshans, Black Minorcas and Brown Leghorns. The cover for this book cost us $400.00. We tell how to care for and feed poultry from the time the little chicks leave the eggs until they are full grown. We tell you how to feed for eggs and how we raise poultry on our Milhook Farm, giving everything in detail with a number of fine illustrations. We have for sale at very reasonable prices over 5000 chickens, ducks, geese and turkeys. We have a large number of very fine ones scored by W. S. Russell. Send 10c to pay for postage and mailing of our book, and learn from its pages how we raise poultry. Address

J. W. MILLER CO.,

Box 444. FREEPORT, ILL.

ENTERPRISE OF THE CYPHERS INCUBATOR COMPANY.

The well-known Cyphers Incubator Company, of Wayland, N. Y., have opened offices and salesrooms at No. 34 Merchants Row, Boston, Mass., for the accommodation of their New England trade, with Geo. H. Pollard as manager, also at Nos. 323-325 Dearborn street, Chicago, Ill., with Theo. Hewes in charge of the company's western interests. Messrs. Pollard and Hewes are widely known as capable and trustworthy poultrymen. Their services hereafter will be at the command of the customers of the Cyphers Company, except that Mr. Hewes will fulfill his December and January judging contracts. After February 1 he will devote his time and talents solely to the incubator business, taking full charge of the Chicago office of the Cyphers Company. Meantime, Frank G. Patchin, secretary of the company, is in personal charge of the Chicago office.

The Cyphers incubators and brooders and all other standard poultry appliances manufactured by this company are on display at their Boston and Chicago offices, where they can be bought on sight. The company henceforth will pay transportation charges to the Boston and Chicago distributing depots, and their customers will save both time and money by addressing all correspondence and all orders to the nearest office.

The Cyphers Company's new poultry manual and catalogue for 1900, entitled "How to Make Money With Poultry and Incubators," is now ready for mailing. It consists of 192 pages, 8x11 inches in size, is profusely illustrated, showing and describing many of the largest poultry plants in the country, and contains over twenty copyrighted articles written expressly for this book by the leading poultry authorities of the world, covering all branches of poultry for profit. This book cost the Cyphers Company over $4,000. A copy will be mailed to any address on receipt of 15 cents in stamps, this amount to be deducted from the first order of $1 or more sent to the company. In other words, this Manual and Poultryman's Guide is meant to be free to all interested persons. Sixteen-page illustrated circulars and price list sent free. Address nearest office, mentioning this paper.

THE CYPHERS INCUBATOR COMPANY.
Chicago, Ill.
323-325 Dearborn St.
Wayland, N. Y.
Boston, Mass.
54 Merchants Row.

THE HECKEY NEST BOX.

The above is a good likeness of J. P. Heck, of Pittsfield, Ill., the inventor of the "Heckey Nest Box." (See advertisement in this issue.) This Nest Box is the result of an effort on the part of the inventor to produce an article which will overcome all defects in and objections to past similar inventions, and at the same time combine the two necessary qualifications (simplicity and accuracy) of a perfect box. Mr. Heck feels that his efforts have been crowned with success. He has made repeated experiments with the box, and it does the work and does it right. He backs it up with a strong guarantee to the effect that it will do the work claimed for it in a practical and satisfactory manner, or money will be refunded. He makes a free special premium offer to introduce it. Mr. Heck desires to have a large number of poultrymen in the United States act as his mail order agents for his invention. He has formulated a new plan whereby such can make good profits without investing any money. He also wishes state, county and local agents everywhere, and as an inducement is offering very liberal terms, and in addition thereto is offering his agents a special agent's premium. Interested persons should address him at once and obtain a copy of his booklet, "Heckey Nest Box Facts." It tells all about this invention, agents' terms, new plan, etc. Mr. Heck is recommended as being reliable and trustworthy by all of the city and county officials where he resides. He has sent us a strong recommendation signed by these officials, also by many prominent business men of his city, and we heartily recommend him to A. P. J. readers. He is also a member of the American Buff Rock Club (ex-Illinois vice-president) and a poultryman of years experience. So many people now believe in pedigree breeding that a good reliable Nest Box is in general demand. All who desire to know the full particulars about the Heckey Nest Box should write at once for Mr. Heck's booklet. (See his ad in this issue.)

Copy of Recommendation.

PITTSFIELD, ILL., June 20, 1899.—This is to certify that we, the undersigned, have been personally acquainted with J. P. Heck, of this city, for a number of years. We firmly believe him to be a gentleman of high personal integrity, honorable and reliable in his dealings with his fellow men, and we heartily recommend him to all who may anticipate business relations with him.

Harry Higbee, circuit judge; Henry Bowers, circuit clerk; B. T. Bradburn, county judge; J. R. Gicker, county clerk; Daniel Weeks, county treasurer; A. Clay Williams, state's attorney; P. P. Johnson, sheriff; H. D. L. Griggsby, postmaster; A. C. Bently, master in chancery; Caroline Grote, county superintendent; W. R. Hatfield, superintendent public schools; W. E. Williams, member congress; C. H. Doss, M. D.; Louis D. Hirscheimer, member of state board equalization; Augustus Dow, trustee Illinois Ins. for the Blind; R. O. Smith, city mayor; G. W. Kamerer, city clerk; Hugh Johnson, city attorney; M. R. Peckenpaugh, city treasurer; W. B. Green, Pacific Express agent; A. Plattner & Son, furniture dealers; F. G. Turner, books and stationery; J. I. Noyes, clerk; G. S. Pennington, Wabash railroad agent; J. H. Crane, justice of peace; S. P. Rupert, police magistrate; J. M. Bush, editor Pike County Democrat; J. O. Emerson, pastor Congregational church; R. T. Hicks, cashier First National bank; Ross Mathews, cashier Farmers' State bank; H. English, dry goods; W. W. Dickey, D. D. S.; T. Grimshaw, druggist; B. McGary, grocer; John Nary, clothing; E. Yates, attorney at law.

F. B. Zimmer will judge Bantams, other than Games, at the New York show. This is an honor, but not greater than is deserved, because Mr. Zimmer is a great authority on this subject.

Lexington, S. C., held a successful fair October 25 to 27. The poultry department was supervised by C. E. Leaphart and judged by G. T. Graham. The show of fowls was remarkably good.

$300.00

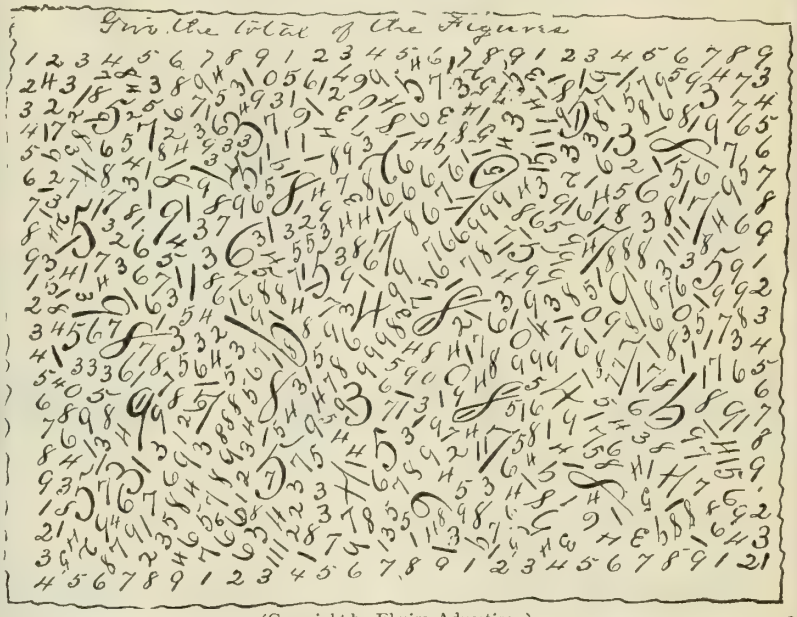
In Presents to those who can add correctly...

"ADD 'EM UP."

$300.00

To be given to the Successful "adders."

If you can add you can win. Count all straight lines as figure "one"; mere dots or specks don't count.



(Copyright by Elmira Advertiser.)

The Western Garden and Poultry Journal,

OF DES MOINES, IOWA,

Offers the following list of valuable prizes to those who can come the nearest to adding correctly, all the figures in the above numerical chart: **1st Prize,** cash, $50; **2d Prize,** a 200 egg Incubator, choice of Successful, Reliable or Prairie State, say which you prefer, $28; **3d Prize,** an elegant hunting case Gold Filled Elgin Watch, ladies or gents, $25; **4th Prize,** 100 egg Incubator, choice of any machine on the market, $18; **5th Prize,** cash, $15; **6th Prize,** one inch ad one year, $12; **7th Prize,** Cyclone Camera, carries 12 plates, $10; **8th Prize,** cash, $10; **9th Prize,** Bone Cutter, $10; **10th Prize,** Little Crescent Hatcher, 54 egg size, $8.50; **11th Prize,** same as 10th prize, $8.50; **12th Prize,** cash, $5; 25 prizes, choice of American Standard or one years subscription to any $1 paper or magazine published, $25; 25 cash prizes, $1 each, $25; 1 grand special prize (see below) $50.

63 PRIZES... ...TOTAL VALUE $300.00

KINDLY NOTE.—That this is a contest of skill entirely, and upon your ability to arrange the figures and add them up correctly, depends your success, and not upon chance or guesswork. **Every Competitor** must fill out and mail to us before Dec. 31, 1899, the coupon at bottom of this ad, enclosing 50c which pays for one year's subscription to our paper, and entitles you to one count. Send another subscription with yours and you can have two counts, and so on with as many as you send. Those who are now subscribers can have their time extended one year. Should there be a tie for any prize which can be divided, that will be done. In case of a tie on prizes which cannot be divided, priority in reception of coupon at our office would naturally have to govern. All prizes will be awarded and paid within three days after contest closes. Each person taking part will be notified by mail as to the result of contest.

GRAND SPECIAL PRIZE, $50 CASH.—Everyone sending us $1 for a **three year's subscription** will be put in a special class by themselves. Should any member of this class win any one of the prizes named above, we will send them in addition this special prize of $50 in cash. This means if you win first you get $100 in cash. If you win second you get the Incubator and $50 in cash, and so on down the list. Same rules govern as above.

WESTERN GARDEN AND POULTRY JOURNAL

DES MOINES, IOWA:

Enclosed is 50c for one year's subscription to your paper. The sum total of the figures in the chart as I add them is. .....

Signed.....

P. O.....State.....

A FEW REASONS Why we think our stock will please you, if you need anything in our line. 1st. Because we are breeders, not speculators; because our Sebrights, both Golden and Silver, have correct style, and **are laced,** not tipped, or spangled. Our Black Cochin Bantams **are black,** not the grey neck sort. Our White Polish Bantams, have grand crests, V combs, and blue legs, and are ready for the Standard of 1903 **now.** Our Game Bantams have reach, style and color. Our Brown Leghorns have size and the males, the coveted stripe in hackle, and saddle. Our **BEAGLE HOUNDS and COCKER SPANIELS,** are many of them prize winners, grandly bred, and **are hunters,** and breed **hunters.** all times, Eggs in season.

DEBONAIR-ADIRONDACK POULTRY YARDS AND KENNELS,
Main St., S. W. GLOVERSVILLE, N. Y.

HERE THEY GO AT $4.50 A TRIO.

40 Trios Barred Plymouth Rocks,
40 " White " "
35 " White Wyandottes,
35 " Silver Wyandottes,
35 " Golden Wyandottes,
30 " Rose and Single Comb Br. Leghorns.
25 Trios Light Brahmas,
25 " Partridge Cochins,
25 " Buff Cochins,
25 " Black Minorcas,
20 " S. S. Hamburgs.

40 Trios Great Big Pekin Duck at $4.00 a trio.
Write for prices on any variety of fowls in large or small lots. We will make prices low enough.
S. A. HUMMEL, Box 52, Freeport, Illinois.

WINNING BARRED PLYMOUTH ROCKS
FOR SALE.

Bred from the prize winners at the great Chicago Joint Show. If you want the best at honest prices, write me. Score cards by Shellabarger after Dec. 11th. Show record and price list free. Mention A. P. J.

H. TIBBETTS, Neponset, Illinois.

WORKS PERFECTLY.

An Incubator That Satisfies!
PERFECT, ENTIRE SATISFACTION IS WHAT YOU GET WHEN YOU BUY A
NONE BETTER INCUBATOR.
The simplest incubator made. The most honestly constructed, only the best material used. **Built to last.** The lowest priced good machine on the market. Our customers are satisfied. **Our catalogue is free.**
Hawkeye Incubator Company, Newton, Iowa.

Ino Uno Ino

A GOOD BIRD—TAKE MY WORD FOR IT. I HAVE THEM IN ABUNDANCE.

YOUR BUSINESS next year depends largely upon your winnings this winter. Waste no money on inferior stock **MY BUSINESS** is to supply this demand. My aim is to have the very best. My record at Chicago and other large shows on

Barred Ply. Rocks and S. C. Brown Leghorns

proves conclusively that there are none better. My prices are reasonable and you will have only yourself to blame if your ambition is not realized. Say exactly what's wanted please—its hard to guess.

C. A. DAMON,
2470 Monroe St. = = CHICAGO, ILL.

MY CORNISH INDIANS
AND BUFF LEGHORNS

HAVE PROVEN THEMSELVES THE
Leading Prize Winners, AT
New York, Boston, Elmira, Washington, Hagerstown, St. Louis, Mt. Gretna, Carlisle, Cortesville, West Chester, Wilkes Barre, Etc.

I HAVE FOR SALE

10 Cornish Indian cocks, $3.00 up | 37 Buff Leghorn ckls. $2.00 up
40 Cornish Indian hens, $1.50 up | 68 Buff Leghorn pullets, $1.00 up
34 Cornish Indian ckls. $2.00 up | Breeders or show birds.

My stock is winning North, South, East, West. My show list free. Best evidence of quality and satisfaction my testimonials.

GEO. W. KINZER, Box 50, New Holland, Pa.

FRESH EGGS THIRTY CENTS A DOZEN

ARE YOUR • • HENS LAYING?

A little OVAMEAD in the food once a day will start them to laying in a very short time. One egg now is worth two in the spring. Thousands now use it, and it is from their yards fresh eggs are gathered the winter through. OVAMEAD is a GREAT EGG PRODUCER; it does it work well on any hen of any breed on earth. Enough for 10 fowls for 3 months, 50 cts. postpaid; trial size 25 cts. postpaid.
Ovamead Mfg. Co., Box 44, Rochester, N. Y.

Also For Sale by Our Agents:

R. A. GIKS & CO., Minneapolis, Minn.
DREXEL SUPPLY CO., Drexel, Ill.
LANGLOIS & CO., Racine, Wis.
PETALUMA INCUBATOR CO., Petaluma, Cal
F. S. BURCH & CO., Chicago, Ill., and others.

RARE WYANDOTTE MERIT.

A splendid opportunity is afforded for the purchase of Silver Wyandottes of very high merit. Mrs. J. A. Rigg, Iowa Falls, Ia., has a number of extra choice pullets and cockerels which she is offering the trade. They are from the pen which scored cockerel 93½, pullets 93, 94, 93½, 92½. They are grand in size, lacing and other standard points. They are pure Steinmesch stock. Fanciers who want something extra good should take advantage of this opportunity.

AMERICAN POULTRY ASSOCIATION.

To Members of the American Poultry Association—The following changes in the Standard are proposed and will be acted upon at the twenty-fourth annual session to be held in the city of Cedar Rapids, Ia., at 8 o'clock p. m., Wednesday, January 17, 1900:

Page 249 (of the Standard), Article V, strike out the words "at such time" and insert "either the third or fourth week in January each year."

Page 5, cutting for frosty edging in Silver and Golden Wyandottes, strike out the words "not less than 1" and insert "½ to 1." Cutting for purple barring, insert the words "½ to," making the cuts ½ to 1.

Pages, 93, 94, 96, 97, in describing the spangles of Golden and Silver Spangled Hamburgs, change the Standard in its description of spangles to read: "The spangle to follow the web of feather and meet at the shaft."

H. A. BRIDGE, Sec. and Treas.
ALLAN BOGUE, President.

MEAT AS POULTRY FOOD.

It has been demonstrated at experimental stations, and by practical poultry raisers, that meat is the natural food for poultry. To have hens lay they must be given food rich in egg making material. In the summer they gather this supply from bugs, worms and insects, but in the winter this supply is cut off, so that to have hens lay in the winter one must feed them their meat supply in another form.

Darling & Company, Union Stock Yards, Chicago, Ill., whose advertisement appears on another page, manufacture Animal Meat Poultry Foods, which supply this necessary food for egg production. Their process of manufacture places it on the market in the most convenient form for feeding, and at a minimum cost. The expense is nominal, as one pound in the morning mash is sufficient for 25 fowls. The demand for Animal Meal Poultry Foods is increasing very rapidly, and it will not be long before all raisers of poultry will be feeding it. Darling & Company have a very interesting pamphlet, "Fill the Egg Basket," which they gladly mail free to anyone sending his address.

A poultryman of long experience would like to hear from some one who has a few thousand dollars to invest in this business. His scheme is a better paying one than a broiler plant. Address Poultryman, care AMERICAN POULTRY JOURNAL.

B. G. SMITH, Elmira, N. Y., White Leghorns, White Wyandottes.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

1884 **SKINNER'S PARTRIDGE COCHINS.** 1899

Great prize winners and greatest layers in the world, because they lay most of their eggs in the fall and winter. Choice breeding and exhibition stock for sale. Also breed Barred Plymouth Rocks, Light Brahmas, Buff Cochins, White Cochin Bantams and Bronze Turkeys.

Sharpest Grit, 50c for 150 lbs.; 500 lbs. $1. Send for samples. One of the finest catalogues published, for stamp.

O. E. SKINNER, Columbus Kans.

"CONGER'S SWEEPSTAKES."

It is no new name we mention—"Sid Conger, box A P, Hope, Ind." Here is a poor illustration of a great bird; we didn't make this cut, but the bird is all right. So is Conger. His "Sweepstakes" has won eleven firsts (the cut mentions only seven) at big state shows. The seven were won this year, within six weeks. The bird will head Conger's third pen this season, mated to first-class prize females. Conger has Black Langshans. Buff and Partridge Cochins, Light Brahmas, and Wyandottes. He doesn't expect to exhibit again until some one gets one-third as many prizes as he already holds. Write him for a circular proving exactly what is here stated. We have known "Sid" for years—he's out of politics, we believe, but he's right in it on poultry.

———o———

The active advertiser is the accretive poultryman.

J. W. Grier, box 265, Coldwater, O., has been breeding White Plymouth Rocks for six years. He makes this variety his exclusive work in the yards. Among his choice foundation stock was a game cock, scored by Bridge at 94½, and by Pierce at 93½. His birds have commanded good prices. One cockerel scored 94 by Bridge. Our readers will notice in his ad elsewhere in this issue, that Mr. Grier offers to send birds on approval and refund, if not satisfactory. This is the strongest kind of guarantee.

———o———

The American R-c. Brown Leghorn Club will hold its first annual meeting in Chicago, Thursday, 2 p. m., January 25, 1900. This is during the progress of the coming great show. The N. F. A., of Chicago, has offered a $25 silver cup and $10 in gold for first and second best displays of this variety at the Chicago show. Fanciers should join the club and come in for a chance at these desirable specials. The fee is only $1. Address the secretary-treasurer, Charles M. Zinc, New Albany, Ind.

B. G. Smith, Elmira, N. Y., White Wyandottes, White Leghorns—Rose and Single-comb.

$5,000 POULTRY CATALOGUE FREE!
It is without a rival. Gives lowest prices of fowls and eggs. Over 50 breeds Turkeys, Geese, Ducks and Chickens. Hundreds of plates from life. 15 best poultry house plans. Treatise on diseases, how to feed, breed, etc. Send 10c. for postage.
J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

B. B. Red Games

——AND——

Game Bantams,

of the Modern Fancy, Exhibition Style.

We have bred these birds for more than 25 years, importing our fresh blood from the best breeders in England. At present we do not exhibit, but in the hands of our patrons our birds have been winners at the best shows.
We also breed the best quality of Black Red and Brown Red Pit Games. No circulars. Write for prices, stating what you want.

E. R. SPAULDING,
Jaffrey, N. H.

RIVERSIDE POULTRY YARDS, BELLEVILLE, WIS.,
Breeder of . . . W. B. MOREHEAD, Prop.
Felch Pedigreed Light Brahmas and M. Bronze Turkeys, Exclusively.
A choice lot of young stock for sale in pairs, trios or singly. Surplus breeders of 1898 for sale cheap. Send for catalogue. Mention American Poultry Journal.

WANTED—A MAN—One to buy, rent or take an interest in a modern, well equipped poultry plant. Good chance for a man who thoroughly understands the business. Over 5500 sq. ft. of floor space.
WHITE SILVER **WYANDOTTES** GOLDEN BUFF
F. M. GRIER, Prop., Box C., Charlotte, Mich.

BLACK LANGSHANS.

DO YOU KNOW that Dr. Robinson holds the world's record on this breed? The greatest continuation of great records at **MADISON SQUARE GARDEN**, New York, ever made by any breeder. At New York, 1899, 1st cock, 2d and 4th cockerels, 1st, 2d and 3d hens, 1st, 2d and 3d pullets, 1st 3d and 4th ex. yards; grand gold special for best Lang-han. $100 solid silver cup won three times in succession. $25 challenge trophy. In last five years, **18 FIRST PRIZES OUT OF A POSSIBLE 25** at this great show. Inclose stamp for my handsome illustrated circular before placing your order. Hundreds of fine exhibition and breeding birds for sale at reasonable prices.
DR. F. M. ROBINSON, box 333, Pawling, New York.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

CLASSIFIED ADS.

30 WORDS
SINGLE INSERTION
50 CENTS.

Under these headings, cards of **Thirty Words** or less, will be inserted for **Fifty Cents** a single insertion, or **One Dollar** for three insertions. Initials or figures count as one word each. No display or changes can be allowed, and all cards must be uniform in style. American Poultry Journal sent one year to any address with each $1.00 order.

30 WORDS
THREE INSERTIONS
and the JOURNAL one year,
$1.00.

On writing any of these advertisers mention A. P. J. It helps you and doesn't hurt us.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Plymouth Rocks.

BARRED ROCKS—Exclusively, Thompson strain. Choice selected cockerels, pairs, trios and pens at low prices after Sept. 1. My six yards of one-year-old breeders for sale now. Satisfaction guaranteed. H. E. Kipp, Red Hook, on Hudson, N. Y. 10-3

WHITE PLYMOUTH ROCKS—Exclusively. Eggs from selected pen, $1 per 13; farm range, 50c per 13. Stock for sale. Lewis O. Mayer, Windom, Lancaster Co., Pa. 11-3

STANDARD BRED BARRED PLYMOUTH ROCKS (Exclusively)—Cockerels or pullets, $2 each or 3 for $5. Standard Poultry Yards, F. B. Fenton, Beloit, Wis. 11-3

FOR SALE—Choice W. P. Rock cockerels and pullets at Maple Lawn farm; write us before you buy. Chase Bros., Woodford, Huron Co., Ohio. 10-3

BUFF PLYMOUTH ROCKS FOR SALE—Cockerels, $2 to $5 each; pullets, $1.50 to $3 each; a few $5 trios. Write your wants to I. T. Bryant, Oxford, O., Box 115. 11-3

CHOICE STOCK FOR SALE—Has fine young Barred Plymouth Rocks that will surely make prize winners; birds barred to the skin; eggs in season. A. M. Zabriskie, Auroa, N. Y. 11-3

FOR SALE—Good cockerels from fancy strains Barred and Buff Rocks; low prices to close them out, only $1 each. Good selections of pullets at bargains. John Baynes, Salem, Ind. 3 tf

FOR SALE—75 Barred Plymouth Rock Cockerels, $1.00 to $3.00, according to quality and quantity. Large yellow legs, good comb, well barred. Guaranteed to be good breeders. Mrs. Clara V. Beardsley, Buckingham, Ill. 10-3

BARGAINS IN BARRED PLYMOUTH ROCKS—Will sell at half price to close out, 25 hens, 3 pullets, 11 cockerels at $1 each. One fine cock, cost $8, will sell for $4. Write quick. D. G. Mange, Lowell, Mich. 11-3

I AM CLOSING OUT my entire flock of White P. Rocks at a sacrifice; also Barred P. Rocks and White Wyandottes. Russell's score card furnished. E. E. Arnold, Sandwich, Ill. 12-3

WHITE PLYMOUTH ROCKS, 2 pens, containing cockerel and 2 pullets each, $3 per pen. Very cheap to make room. Not culls. Wm. G. White, Ovid, Mich. 12-1

BARRED ROCKS exclusively—Large, vigorous stock, bred from prize winners. Good color and shape. Good layers. Holsteins, Poland-Chinas, Scotch Collies and English Setters. Hill Top Stock Farm, Bellaire, Ohio. Hopkins Bros., Props. 12-3

BUFF ROCKS exclusively—They are grand in size, shape and color. A lot of early hatched birds for sale. Write for prices. C. S. Voorhes & Co., Rardin, Ill. 12-3

IF TAKEN NOW will sell my White Plymouth Rock cockerels at $1 each. These are good birds and thoroughbred: May hatch. Mrs. Cora A. Battey, Olathe, Kan. 12-1

FINE WHITE PLYMOUTH ROCK cockerels, seven months old, $1.25. All correspondence answered. C. H. Blair, Cambria, Mich. 12-3

PLYMOUTH ROCKS — Buffs — Burdick, Wilson and Hamm strains. Barred—Conger, Hawkins and Obe Lash strains. White—Empire and Hawkins strains. Birds at $1 to $2 each. Poland-China swine at $10 to $15 each. R. H. Vanderhoof, Newton, Ill. 12-3

Plymouth Rocks.

BARRED PLYMOUTH ROCKS, Exclusively—America's very best strains, Hawkins, Conger, Thompson, Lash, Leffel, etc. Exhibition birds a specialty. Write for circular and prices. Satisfaction guaranteed. J. D. Stevenson, Killbuck, Ohio. 12-3

BUFF ROCK BREEDERS—I am now offering my best pens of last season's breeders, all yearling birds, pure "Burdick" stock. Buff Rocks at extremely low prices. Frank Davis, Tiffin, Ohio. 12-1

Wyandottes.

PURE BUFF WYANDOTTES, line bred and bred to win. "A large, fine bird, good in color, shape and comb," says a noted judge of our first prize cock, the foundation head of our strain. Eggs, the kind you want, $2.50 for 15. Catalogue free. H. W. Boles, Deerfield, Utica, N. Y. 3-99-1 yr

WHITE WYANDOTTES only. Knapp-Duston strain. Early hatched; fine in shape; stay white. Also 10 pairs young Pearl Guineas. Correspondence solicited. J. H. Eby, North Robinson, Ohio. 11-3

WHITE WYANDOTTES exclusively. Do you want birds that will win prizes for you? If so, give me a trial. Prices right. A. H. Arnold, East Townsend, Ohio. 11-3

500 GOLDEN AND PARTRIDGE WYANDOTTES—Line bred from winners, at Cleveland, Toledo, Chicago, Carey and Tiffin, scoring 92 to 95, by Bicknell, Butterfield, Pierce, Bridge and McClave. Write G. E. Halteman, Tiffin, Ohio. 10-3

WHITE WYANDOTTES exclusively. Cockerels for sale. My entire lot of Rose-comb Brown Leghorns for sale at prices that will move them. Address Ed Hippert, Box C 778, Kewanee, Ill. 2-99-1 yr

PRIZE WINNER for sale: Silver Laced Wyandotte cock; second prize cockerel at Dowagiac show; scored 91 by McClave. Also choice White Wyandotte cockerels. Geo. Melvin, Dowagiac, Mich. 12-3

CHOICE Breeding Cockerels, standard bred, large size, typical Silver Wyandotte shape. Pullets properly laced. Prices reasonable. My motto is quality and fair dealing. Write wants. Henry Seidel, Winamac, Ind. 12-3

WHITE WYANDOTTES—8 cockerels, 10 pullets. One cockerel, 1 year old last April, $1 each. Pure white. Fine birds. Eggs in season, $1.25 for 15. I. Brenneman, South Whitley, Ind. 12-3

WRITE TODAY—Line bred, prize winning Buff Wyandottes, farm raised. Only a few of the best ones left and going at prices to suit purchaser. Can give you cocks with pullets or cockerels with hens, as you like, if taken soon. H. W. Boles, Deerfield, Utica, N. Y. 3-99-1 yr

WHITE WYANDOTTES exclusively: 210 egg strain. Standard weight and up to date; eggs $1 per sitting. Write for prices on incubator eggs. E. H. Williams, Coldwater, Mich. 12-3

UTILITY WHITE WYANDOTTES—Bred for excellency in meat and egg production. Fine, large, vigorous, farm raised cockerels $1.50 to $2.50 each. Satisfaction guaranteed. E. G. Garber, Box 39, Bellville, O. 12-3

Leghorns.

C. A. FULTON, Keithsburg, Ill.—S.-c. Brown Leghorn cockerels. Unscored birds, $1. Eggs in season, $1 per 15. 12-1

FOR SALE—4 fine R. C. W. Leghorn Pullets and a fine Cock scoring 93¾ $7.00 buys this pen. Address Burton B. Chase, Woodford, Ohio. 10-3

Leghorns.

SINGLE-COMB BROWN LEGHORNS for sale; 375 selected cockerels bred from my 94½ point cock at Rockford, Ill., and 92½, a Chicago winner. X. K. Meredith, Batavia, Ill. 12-1

PURE BUFF LEGHORNS—For sale cheap if sold now. Finest strains money can buy, over 100 to select from, must have room, satisfaction guaranteed. Write E. A. Schemmel, Beaver Dam, Wis. 10-3

FOR SALE—W. and B. Leghorn hens, W. Leghorn cocks and cockerels. Sixteen years' fancy and utility strain. Maywood Poultry Farm, 4th ave., North 9th sta., Maywood, Ill. Box 99. 11-3

PURE BUFF LEGHORNS for sale cheap if sold now; must have room; fine stock to select from; eggs for hatching in season. Write me for prices. A. C. Harre, Almoral Station, Iowa. 12-3

BUFF LEGHORNS, 90 points and better. Score cards by W. S. Russell. Cockerels and pullets that will win at the winter shows. Good birds at the right price. Write me. I. B. Henwood, Sandwich, Ill. 12-3

Brahmas.

LIGHT BRAHMA COCKERELS, the get from Albert L. Session's New York winners for sale cheap. Felch strain Light Brahma Cockerels $2 to $3. Write Chas. E. Pond, Westfield, Wis. 10-3

LIGHT BRAHMA Cockerels Earleys. Just like their dad. Jack Frost white, with black points, weight 15 lbs; wins first always; none better, $2.00 each. A. J. Webster, Columbia City, Ind. 11-3

CLOSING OUT SALE of Light Brahmas all this year's breeders at ½ price, they won first and second at Winona, good hens $1.00. Address with stamp, F. A. Doolittle, McIntire, Iowa. 10-4

A GRAND LOT of Light Brahma cockerels and pullets now up in weight, nicely colored, heavy leg and toe feathering; strictly first class; $2 each, 3 for $5. Satisfaction guaranteed. W. R. Harvey, Sibley, Ill. 12-3

STOP RIGHT HERE—If you want a light Brahma cockerel, Felch strain, dark wings and hackle, heavy leg feathers, $2 to $3.50. Satisfaction guaranteed. Chas. P. Russell, Elgin, Ill. 12-1

STANDARD LIGHT BRAHMAS—A fine lot of cockerels for sale. Eggs in season, $2 for 13. Five breeding yards next year. C. H. Collins & Son, Knox, Ind. 12-3

LIGHT BRAHMAS—50 pullets, 50 cockerels, 50 hens, Light Brahmas, as good as the best; dark wings and splendid hackle. Price right. Pear Grove Poultry Yards, P. O. Box 753, Nashville, Ill. 12-3

LIGHT BRAHMAS FOR SALE from pure blooded stock; sell at a bargain to make room for winter; sell cheap. Bangorville Poultry Yards, John H. Tidd, Bangorville, Ohio. 12-1

DARK BRAHMAS—We are offering a choice lot of breeding cockerels; have bred this variety exclusively for 25 years. Prices sent on application. Thos. Perrine, Camp Hagerman, Ohio. 12-3

Cochins.

PARTRIDGE COCHINS—Young stock from prize winning strains. Price according to quality. Rev. Henry Cullen, Box 149, Cedarville, Ill. 12-3

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200 S.-c. B. MINORCAS, cockerels and pullets, 21 show cockerels, 30 show pullets. I have got money that says I have got two best pens Minorcas in America. F. M. Hereford, Fulton, Mo. 12-3

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A BETTER ROOSTER for $2 than many sell for $5. Buff Rocks and Buff Leghorns, $1.50, $2 and $2.50 each. M. B. turkeys cheap. S. J. B. Dunbar, Elkhorn, Wis. 11-3

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BLACKS OR BUFFS—$1.50 buys a fine Buff Rock or Black Rose-comb Minorca cockeral. I must sell for want of room. Order quick. Will Heintz, 8th and Vine, Quincy, Ill. 12-3

BE SURE you buy Hodgson strain Black Javas, Blue Andalusians, for winter shows; first prize winner for the past 10 years at leading shows. Prices low. Herbert Hodgson, Albion, Ill. 12-3

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SOME STOCK that is good. Golden Wyandottes, Anconas, Rose-comb Black Minorcas; eggs from other varieties, of which stock is all sold except a good pen of each. E. A. Haller, Sunbury, Ohio. 12-3

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FINE S.-c. Black Minorcas and White Wyandotte cockerels. Birds that will please you at way down prices. Satisfaction guaranteed. C. Doudna, Lexington, Richland Co., Ohio. 12-3

GREAT BARGAIN—Closing out some choice stock. Quality good and prices low. Send for special sale circular and catalogue. Oak Grove Poultry Yards, Platteville, Wis. 12-99-1 yr

CHOICE BIRDS CHEAP — Mammoth Bronze Turkeys, extra quality; Partridge and Buff Cochins, Light and Dark Brahmas. Prize winning stock. Address Warren Rothgeb, Milford, Iroquois Co., Ill. 12-3

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CLOSING OUT SALE CHEAP—Light Brahmas, Buff Cochins, Partridge Cochins, Houdans, White Leghorns, Brown Leghorns and Buff Leghorns. Write your wants. Jas. N. Hutton & Son, Door Village, Ind. 12-3

WYANDOTTES, Golden and Silver, that win prizes. Buff Leghorns, reasonable in price, $1, $1.50 and $2 each, either variety. I have exhibited 12 years. Morton Ingalls, Middletown, Ohio. 12-3

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I NEVER RAISED BETTER Buff Bantams, Barred Rocks, Dark Brahmas, Partridge Cochins, Golden Polish. Can furnish cockerels, pairs and trios of each. Satisfaction guaranteed. Write me. I can suit you. Amil Dexheimer, Ft. Atkinson, Wis. 12-3

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60C 100 lbs. OYSTER SHELL; 70c 100 lbs. crystal grit; discount large lots. Cockerels, pullets, for sale, $1 each; Barred Rocks, Silver Wyandottes, Black Minorcas, Brown Leghorns. Wm. Schafer & Son, Medina, Ohio. 12-3

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DEWEY'S WON AND SO HAVE WE on Barred Plymouth Rocks that are barred; old and young stock low, for room; birds sired by N. Y. Champion and Ringlet; first prize males at Madison Square Garden. Choice selected males and mated pens. Exhibition birds a specialty. Males at $1.25 up. Also Blue Homing Carriers of imported parents of 500-mile records; 50 pairs at $1 per pair. One fine young hound dog, male. $7. Just what you want. Pens Single and Rose-comb Brown Leghorn, Forsyth's and Bright's stock, only $6.50; fine cockerels, $1 each; American Dominique cockerels at only $1 each; White Leghorns, fine lot, cheap; Buff Brahmas, Buff Leghorns, Cochins, Plymouth Rocks, Wyandottes. Fine mated pens, just the stuff for $8. Write for your wants to Glenwood Poultry Farm, Catskill Station, N. Y. 12-1

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ANNUAL SALE of S. C. Buff and White Leghorns and Toulouse Geese; stock from winners at Oxford Poultry Show '98. Write your wants. We can supply you. E. W. Stephenson, Oxford, O. 12-3

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QUARRY LEDGE JOULTRY YARDS—Harris Bros., props., Sharon, Conn. Bradley Bros.' strain B. P. Rocks and Duston and Mount's strain White Wyandottes. Cockerels which we will sell at once. Satisfaction guaranteed. Write for prices. 11-3

I. S. DONNELL, Mansfield, Ohio, Buff Wyandottes and Plymouth Rocks exclusively. First and second prize winners at East Liverpool, Canton and Mansfield. Score 91—93. Bridge, Heimlich, McClave, judges. 11-3

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A. J. BARNHART, New Pittsburg, Ohio, sells cockerels down to rock bottom prices. W. F. Black Spanish a specialty. Also a few Buff Leghorn cockerels cheap. Write for prices. Satisfaction guaranteed. 11-3

S. H. BIRD, Oak Center, Wis., breeder of Black and White Langshans, Pea-Comb White Ply. Rocks, Buff Rocks, Buff Leghorns and White Wyandottes. Breeding ckl. $1 each of any variety. 11-3

For Sale or Exchange.

FOR SALE OR EXCHANGE—Buff, Plymouth Rocks, Wyandottes and Leghorns for Bantams, Beagle Hounds or Rat Terrier Dogs. Ed. Carver, Columbia City, Ind. 11-3

FOR SALE—Two Monarchs, 325 egg size; two Prairie State, one 288 duck machine, the other 400 egg size for hens' eggs; one 80 egg size. Reliable, new. All good as new. Oscar L. Von Nieda (Mt. Springs), Ephrata, Pa. 11-3

FOR SALE AT A BARGAIN—No. 1 Poultry plant, good location, made over $500.00 in 5 months, good reasons for selling. Will sell for part cash, balance on easy terms. A rare chance to make money. F. B. Morey, Patton, Pa. 10-3

FOR SALE—Ring Neck English Pheasants, Golden S. bright Bantams, Silver Grey Dorkins and Belgian Hares. Bantams and Dorkings, $1.50 to $3.00 each, Hares 50c to $3.00. C. L. Dearlove, Desplaines, Ill. 10-3

FOR SALE OR EXCHANGE—White Wyandottes with score cards; also some chicks. Will exchange for an English or Irish setter pup. J. M. Evans, Mellott, Ind. 11-3

CLOSING OUT SALE of great laying brown egg strains of light Brahmas, White Wyandottes and Barred Plymouth Rocks. Pullets and Cockerels $1 and $1.50. Fine large yearling hens 75c, yearling cocks $1.50. This is a straight sale and must be closed at once. Write and get some good stuff at less than half price. Otter Creek Poultry Farm, Vergennes, Vt. 10-3

TO EXCHANGE—Gramophone, best talking machine ever made; fine for entertainments; 60 good records; want parrots, cocker spaniels, or good offers. Dr. J. R. Baker, 515 Webster st., Peoria, Ill. 11-3

TO EXCHANGE—4x5 Premo B camera, with best lens, good as new, for high scoring White Wyandottes. Wm. H. Mann, 444 No. Central ave., Austin, Ill. 12-1

FOR SALE OR EXCHANGE—Thoroughbred Belgian Hares for Fox or Beagle Hounds, or cheap for cash. Write quick. R. H. Gottschlich, L. B. 143, South Haven, Mich. 12-1

FOR SALE OR EXCHANGE—Incubator, Orma's make, used only one season; reason for selling, have no time to run it. Wm. Rudi, Bourbon, Ind.

FOR EXCHANGE—One 100 egg Excelsior Incubator and one 100 chick brooder. These machines were new last fall. Want chickens, Belgian Hares or shotgun. P. Powell, Waukegan, Ill. 12-3

Miscellaneous.

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SILVER SPANGLED HAMBURGS. Pure bred. Fine yearling breeding pen, $6; extra fine young stock; March-hatched cockerels, $2 to $4; trios, $3 to $6. Satisfaction guaranteed. Barbara Seidel, Winamac, Ind. 11-3

THE HONORABLE FLORENCE AMHERST, Didlington Hall, Brandon, Norfolk, England, winner of champion prizes at the leading shows in England and abroad, has for sale splendid Silver Grey Dorkings from her celebrated pens. Eggs $8 per sitting, carriage paid. Remittance with order. 12-6

Miscellaneous.

POLISH (all varieties); also Black Spanish for sale; no birds go out of my yards scoring less than 90; score 90 to 95; Exhibition birds a specialty. Z. Ross, Fremont, O. 11-3

POULTRY SUPPLIES of every description, at prices so low you will be surprised. Illustrated catalogue free. The I. F. Schott Co., Box 144, New Pittsburg, Wayne Co., Ohio. 9-6

SHETLAND PONIES, Fancy Pigeons, all varieties, Himalayan Rabbits, Guinea Pigs, Ferrets, Parrots and cages, canaries and all kinds of birds at reasonable prices. W. C. Hugunin, Spencer, Iowa. 12-3

UWANTA NEST BOX indicating each hen and her eggs. Simple, reliable, safe, cheap, 2 for $1; 6, $2.50; 12, $4. Black Spanish and Silver Wyandottes for sale. C. H. Eldridge, Galena, Ohio. 12-3

WHITE WONDERS exclusively. Fine birds for sale. Get circular and prices from the home of the White Wonder. B. Wenk, Washington, Ill. 12-3

CLOSING OUT SALE—New No. 4 Mann's Bone Cutter cost $12.50; for sale at $10. Gem Clover Cutter, cost $9, for sale at $4; Buff P. Rocks, 50c to $1 each. Dr. F. C. Todd, Attica, Ind. 12-3

CLOSING OUT my stock of concentrated meal at $1.60; beef meal at $1.50, and crushed oyster shells at 65c per hundred. L. A. Junod, Mulberry Grove, Ill. 12-1

"LOW COST POULTRY HOUSES" contains plans and specifications with cost of material for structures worth from $25 to $100. Also a chapter on fixtures and conveniences; 48 pages. Price 25 cents. "Uncle 'Rastus on Poultry," a humorous book written in pure negro dialect, but contains much common sense. The chapter on "Score Cards and Judging" and "The Chicken Business and Free Silver" are of unusual interest. Price 25 cents. Both books 40c. J. W. Darrow, Pub., Box 5, Chatham, N. Y. 12-1

ROBERTS' IMPROVED NEST BOX that does the business, $1.25 each, set up, or $1 knocked down, with 20 per cent off for cash with order. Size, 13 inches wide, 14 high and 18 long inside. Geo. L. Roberts, Grand Rapids, Mich. 12-3

Wanted.

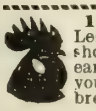
WANTED—Thoroughbred poultry. Cochins, Hamburgs, Minorcas, Leghorns, Houdans, Javas, Spanish, Wyandottes, Games, Geese and Ducks. Prices low. Address Box 258, Huntley, Ill. 11-3

ROUP positively cured by **Vivine Roup Tablets**, price 75c. Sample size 30c. Send price and receive package by return mail. Vivine Chem. Co., 9½ Appleton st., Boston, Mass.

BARRED PLYMOUTH ROCKS Earl, Marshall and Lash strains. Choice young birds with good yellow beaks and legs and are barred to the skin. **PAUL WENDT, Akron, Iowa.**

EGGS FROM THE BEST
BUFF ROCKS / COCHINS I can only sell a limited number at $2 per 13. Good hatch guaranteed.
T. KEEL, Westville, Ind.

IDEAL Satisfaction Guaranteed. **POULTRY YARDS.** Light, Dark, Buff Brahmas, Light, Dark Brahma Bantams, Black, Buff Cochin Bantams. **ELLIS N. FAY.** 1024 Warren ave., Belvidere, Ill.



13 YEARS breeding S.c. Brown Leghorns. If you want to win in the show room and have the best layers on earth send me an order. I can please you. 100 ckls. and pullets for show or breeding, from $1 to $3 each.
C. F. LANG, LaCrosse, Wis.

Bargains this Month
in High Class, Surplus Stock.

50 Light Brahma cockerels and 20 W. H. Turkey gobblers at $1 to $2 each; $3 to $5 per Trio. From stock scoring 90 to 95 points. Pedigreed Scotch Collie pups at $5 each.
J. G. LEMBKE, Box 25, Griswold, Iowa.

BUFF LEGHORNS
Buff Rocks, Buff Orpingtons.
Indian Runner Ducks.
WINNERS, bred from winners in largest shows. We sell stock and eggs to largest breeders in U. S. and they **WIN** on our birds East, West, North and South. Perhaps you need some good birds. *Give us a trial.* Write for price. We please our customers.
THOS. H. MILLS, Box 77, Port Huron, Mich.

My Specialties are....
WHITE INDIAN GAMES, WHITE WYANDOTTES, LIGHT BRAHMA BANTAMS.
I have some very choice old and young stock for sale. Would be pleased to hear from all interested. Also Clear Grit, Shells and Meat Meal. Standard for quality. Send for prices.
D LINCOLN ORR, Box 3, Orrs Mills, N. Y.

HUFF'S **LIGHT BRAHMAS and BARRED PLYMOUTH ROCKS** have a record hard to beat—14 first and 8 second prizes on 22 entries. Also fine White P. Rocks and pure Knapp strain of Single Comb White Leghorns. Order fine cockerels now, $2 and $3. Few hens and pullets to spare. Write your wants. Eggs in season at $1 and $2 per 15. Send for my catalogue when wanting stock or eggs.
C. B. HUFF, L. Box 73, Delaware, N. J.

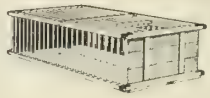
SIMMONS,
....The White Wyandotte Specialist....
has a few choice stay-white cockerels to spare. They are pure Duston stock. Address
F. R. SIMMONS,
Casstown, Ohio.

Special 20 Days Sale
—OF—
Single Comb Brown Leghorns.

20 good breeding cockerels, nice stylish fellows, with good combs and lobes, at $2 each.
15 fancy cockerel bred pullets, fine combs, pure white lobes and very rich colored hackles (the kind we breed those crack cockerels from) $2 each; lots of three or more $1.50 each.
Fancy show stock at satisfactory prices.
E. C. BRATTAIN,
Brown Leghorn Specialist,
Connersville, Ind.

FOY'S POULTRY CATALOGUE

Contains much valuable information on rearing Poultry, Artificial Incubation, best plan for Poultry Houses, Diseases, etc., and gives prices of fancy poultry and eggs. Incubator eggs a specialty. Don't buy poultry or eggs until you see our catalogue. Send stamp. **FRANK FOY, DES MOINES, IOWA. BOX 1001 R.**



Ferris Folding Shipping Crates
for the market and fancy shipper, folding Exhibition Coops and Stock Crate. Just what you want. Send for circulars and prices.
FERRIS BROS. & CO., Box 131, Kidders, N. Y.

POULTRY SUPPLIES
MAKE A HEN COMFORTABLE AND SHE PAYS.
We carry a full line of everything needful in the poultry yard and hen house. All **Improved foods, grits, insecticides, medicines, &c.** All improved appliances—**Incubators, Bone Cutters, Clover Cutters, Vegetable Cutters, Drinking Fountains, &c.**
CUT CLOVER HAY
the great winter food, made from best second crop clover, all ready to feed, $1.75 per 100 lb. sack. Write for what you want. We have it. Large Catalogue Free.
HARVEY SEED CO.,
30 Ellicott St., Buffalo, N. Y.
The Sanitary Poultry Drinking Fountain

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

$5,000 POULTRY CATALOGUE FREE!

It is without a rival. Gives lowest prices of fowls and eggs. Over 50 breeds Turkeys, Geese, Ducks and Chickens. Hundreds of plates from life. 15 best poultry house plans. Treatise on diseases, how to feed, breed, etc. Send 10c. for postage.

J. R. Brabazon, Jr. & Co., Box 2, Delavan, Wis.

SILVER LACED WYANDOTTES,

Exclusively.

A good supply of choice young stock for sale; also a few one year old hens. Write.

W. L. MILLS,
Clear Creek, Ill.

BARRED P. ROCKS

Exclusively.

My stock is a combination of Bradley Bros. and E. B. Thompson strains, grand in size, color and shape. Also two pens headed by prize-winning cockerels of that magnificent Knoxdale strain. Every bird in my yard is a grand individual and of the best blood in the world. Eggs, $2.50 per 15 Stock sold on approval.

L. H. EDWARDS, Lafayette, Ind.

White .. Plymouth Rocks EXCLUSIVELY.

..AMERICA'S GREATEST FOWLS..

A choice collection of fine cockerels for sale. All stock shipped on approval. If not satisfactory on examination can be returned to me.

J. W. GRIER,

Box 265. Coldwater, Ohio.

1000 PEKIN DUCKS

It takes as much time and energy to look after poor fowls as it takes for good ones, although the good ones pay twice as well. Why not have the best? We are sending out select ducks, of the best strains, all strong and healthy individuals of our own breeding. Prices very reasonable, quality considered. We also have superior

Black Langshans, B. P. Rocks,
Light Brahmas, S. C. Brown Leghorns,
and
Partridge Cochins,

Carefully selected and well mated. Write for what you want. We can suit you both in price and quality.

Continental Poultry Farm,

Box A. Belleville, Illinois.

Nothing Under the Sun

will **Make Hens Lay** and keep them in a healthy condition **all the year round,** like

BANNER EGG FOOD

and Tonic.

Thousands can testify to its excellent merits. A trial will convince you. 1 lb can 25c, by mail 40c; 5 cans $1, on board express N. Y. City. If you want fresh eggs and plenty of them, use this food as directed, and your hens *must* lay. Our immense Catalogue **free.**

Excelsior Wire and Poultry Supply Co.,

W. V. RUSS PROP. **28 Vesey St., N. Y. City.**

When writing, kindly mention this paper.

The Columbia Incubator Company, Delaware City, Del., has issued a very fine catalogue which can be had by addressing the house as named above.

The Ferris Folding Crate is a convenient coop for shipping fowls. Write to Ferris Bros. & Co., Kidders, N. Y., for description and price.

S. B. Johnston & Co., Boggstown, Ind., famous for Mammoth Bronze Trukeys, have filled some fine orders from the east this season.

H. Tibbetts, of Neponset, Ill., who is one of A. P. J.'s oldest advertisers, increases his space this month to two inches and writes that his young stock of Barred Plymouth Rocks is the finest he ever raised. He can give his customers some splendid bargains. Mr. Tibbetts was a prize-winner at the great Chicago joint show of last year, and we can assure our readers that what he sells you will be right.

George W. Kinzer, New Holland, Pa., sends us word of his especial effort to sell some of his Cornish Games and Buff Leghorns, to make room. His announcement comes too late for much space in this issue, but just in time for those who are seeking a good thing. Write him at once and get first chance, mentioning A. P. J.

W. N. Smith, of Ohio, Ill., an A. P. J. advertiser, writes us as follows: "I am going to give a $35 silver fruit dish for the best 15 White Wyandottes or Barred Plymouth Rocks hatched from eggs bought of me in 1900. Wyandottes off two points each."

C. M. Davidson, of Chicago Lawn, Ill., reports an active inquiry for breeding as well as exhibition stock as a result of his ad in A. P. J. Mr. Davidson is a Brown Leghorn specialist, devoting his entire attention to the further perfection of this excellent variety. He handles the "Damon Strain" only, and that is enough said to command the attention of those desiring good stock.

James Christopher, of the Kickapoo Poultry Yard, Heyworth, Ill., has recently secured a fine lot of Plymouth Rock Cockerels and pullets, both barred and white, and promises to open somebody's eyes at the early shows. He is now preparing for the Bloomington show, where interested parties may see some of his best birds. He is making attractive prices on picked stock, in an advertisement in this issue of A. P. J.

In the advertisement of the Rippley Hardware Company of Grafton, Ill., which appears in this issue, our readers will find a special offer that will most likely prove interesting and profitable. The Reliable Feed Cooker which these people manufacture is well recommended and highly indorsed by breeders, fanciers and owners of large poultry plants. Those of our readers who find themselves in need of a cooker or heater will do well to correspond with these people. The Reliable Cooker will be shown in actual operation at the Cedar Rapids, St. Louis and Chicago Poultry shows.

B G. Smith, Elmira, N. Y., Rose and Single-comb White Leghorns and White Wyandottes.

THE PURITAN

—IS—

The Largest

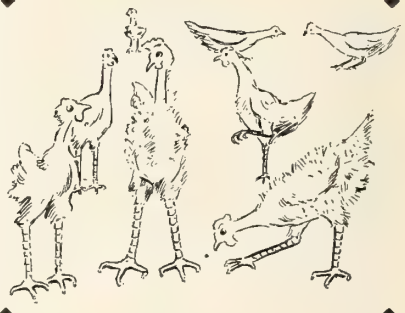
and Most Elegantly Equipped

POULTRY PLANT

IN THE

WORLD.

With Exceptions None.



Puritan Stock, Puritan Eggs, Foods and Methods are Famous.

To them we attribute our success. Would it not be to your advantage to investigate the causes that have made such successes possible?

Send for Our Catalogue

Sent for 8 cents in stamps, illustrating beautifully the finest hen houses in the world; acres of buildings, acres of fowl.

Puritan Poultry Farms,

Stamford, Conn.

MAGAZINES FOR 1900.

This is the season for making your selections from among the innumerable list of literary magazines for 1900. THE JOURNAL suggests the following publications as the best in the world:

Harper's Magazine, reduced in price to $3 a year, but enriched in contents. The announcement of articles embraces a most extensive range of themes, treated by the most popular of writers. No magazine in the world is superior to *Harper's,* as a source of instruction, diversion and artistic pleasure.

Harper's Weekly is the foremost illustrated journal in America. It is independent in political tone. It is adequate in all the features that go to make up an illustrated record of current events. Price, $4 a year.

Harper's Bazar is a standard authority on all household and fashion subjects, as well as a literary weekly of high grade. Price, $4 a year.

The foregoing are published by Harper & Brothers, Franklin Square, New York City.

The Century is $4 a year. In the quality of its matter and excellence of illustrations this magazine ranks among the great literary publications of the world. The Century Co., New York.

Scribner's Magazine occupies a unique place among the publications of merit. It is superbly illustrated, is always entertaining in its reading matter, and is a popular magazine in the truest sense. Charles Scribner's Sons, New York.

The Cosmopolitan is the pioneer $1 magazine in the modern field. It is progressive in thought and comprehensive in scope. The Cosmopolitan, Irvington, N. Y.

The *Review of Reviews* is the most notable of the monthly publications devoted to current events and public questions. It is essentially the busy man's magazine, as the reviews of the world's doings are herein given in a form to convey information at least trouble to the reader. Review of Reviews, New York.

Ladies' Home Journal is the vastest success ever achieved by a monthly periodical since printing was invented. No home should be without this magazine. The price is $1 a year. The Curtis Publishing Co., Philadelphia, Pa.

The *Saturday Evening Post,* $2.50 a year, is published by the Curtis Publishing Co., Philadelphia, Pa. It is a family story paper of high order.

In choosing a Christmas gift for a friend what can afford more present or lasting pleasure than a subscription to the *Youth's Companion?* The delight with which it is welcomed on Christmas morning is renewed every week in the year. The charm of it is disclosed little by little as the months run their course. There is no household in which it will not prove an inspiration. Those who wish to present a year's subscription to a friend may also have the beautiful new Companion Calendar for 1900 sent with it. This calendar is a reproduction in twelve color printings of three exquisite designs by a celebrated American artist, a member of the American Water-Color Society. In adition to this all the issues of the *Companion* for the remaining weeks of 1899 are sent free from the time subscription is received for the new volume. Illustrated announcement number containing a full prospectus of the volume for 1900 sent free to any address. The Youth's Companion, 203 Columbus avenue, Boston, Mass.

We recommend the publications above named. Orders sent direct to the respective publishers by postoffice money or express order will receive prompt attention. For the convenience of our readers, however, we will act as gents for any or all of them, at the following rates:

AMERICAN POULTRY JOURNAL one year from date of present subscription, in event of renewal, or from January to December, 1900, and a year's subscription to

Harper's Magazine	$3.00
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Ladies' Home Journal	1.40
Saturday Evening Post	2.85
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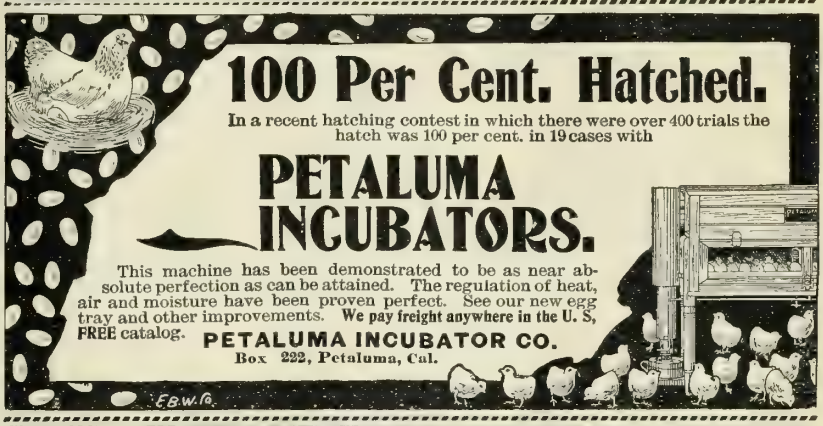
If a combination of two or more is desired, with AMERICAN POULTRY JOURNAL, we will give price on application. When sending to us remit cash with order, either by United States or express order, payable to

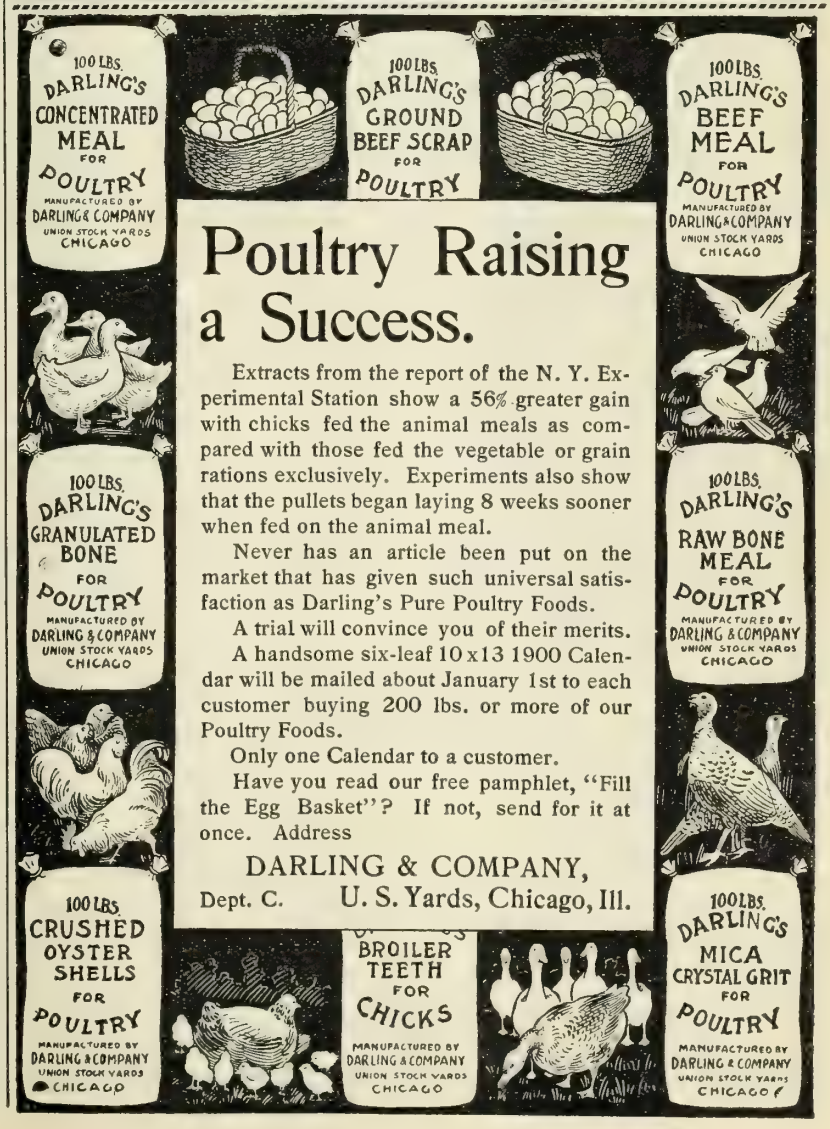
AMERICAN POULTRY JOURNAL.
325 Dearborn st., Chicago, Ill.

BUFF ROCKS AND COCHINS—Winners Wherever Shown.

Fine breeding and exhibition stock for sale. Owing to lack of room, have decided to close out my Buff Cochins. Prices reasonable and satisfaction guaranteed.

J. C. BROWN, LOCK BOX 17, CAMPBELLSBURG, IND.





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Breeders and Winners.

The winning Barred Rocks in the shows the coming winter must, of necessity, be specimens of exceptional merit. Competition in Rocks is becoming stronger each year. You can win if you secure some of **BRYSON'S BIRDS.** They are bred to win—have been winning for several years. Grand breeding specimens on demand.

B. R. BRYSON, Iowa Falls, Iowa.

HOUDANS,

EXCLUSIVELY.

For First-class Young Stock

Address

CHAS. GREENWAY, Le Mars, Iowa.

Barred Plymouth Rocks,

of Montauk Strain,

Beauties in both cockerels and pullets. Show birds a specialty. Prices reasonable, which will be made on application. Address

R. W. DURYEA,
Great River, Long Island, N. Y.

HAWKINS Barred Plymouth Rocks White Wyandottes.

Choice cockerels and pullets—the result of 16 years experience in mating—for sale. Among these birds will be many winners at the coming shows. Careful attention given to mating trios and breeding pens. As I am somewhat crowded for winter quarters will make extra low prices on stock for the next 30 days. For further information and prices address

S. F. FLINT, 1602 Glen Oak ave., Peoria, Ill.

Mow's Buff Rocks

Again show their quality by winning more prizes than all other exhibitors combined at Indiana State Fair, Sept. 18th. 2d cock, 1st cockerel, 1st hen, 1st, 2d pullet, 1st pen. In one of the largest and finest classes ever gotten together in the West. Old and young stock for sale. Write

F. E. MOW, Union Mills, Ind.

Penciling

on our Partridge Cochin pullets this fall is something wonderful, together with their grand feathering make them winners. Write for description and price of stock if you want the best.

GEO. B. GOTT, Ionia, Mich.

Hanging Rock Poultry Yards.

HOME OF THE

Big Black Langshan.

A fine lot to select from this fall. Unequalled for their *great size and grand shape.* Mine are the right kind and I know I can please you. Write me if you want something good.

G. F. WILCOX, Box 21, Redfield, Iowa.

SHOEMAKER'S BOOK on POULTRY

and Almanac for 1900, two colors, 160 pages, 110 illustrations of Fowls, Incubators, Brooders, Poultry Houses, etc. How to raise Chickens successfully, their care, diseases and remedies. Diagrams with full descriptions of Poultry houses. All about **Incubators, Brooders** and thoroughbred Fowls, with lowest prices. Price only 15 cents.

C. C. SHOEMAKER, Box 805, FREEPORT, ILL.

Uneeda Rooster?

or a Pullet, or a Hen?

Don't make a mistake, but buy where you can buy the best. Look up my record.

Record at State Poultry Exhibit, Jackson, 1896

1st on	B. P. Rock Cockerel,	Score	94.
1st on	Hen	"	93.
1st on	Brdg. Pen,	"	186¼
3d on	Pullet	"	93

Detroit, 1897—Silver tea set for best 10 Rocks.
Detroit, 1899—1st on B. P. Rock ckl., score 93. Also silver cup in B. P. Rock Club.

I also breed S. C. Brown and Buff Leghorns, Indian Games **Best Strains**

OAK LAWN POULTRY FARM, Ypsilanti, Mich.
Eggs $2 per sitting. C. W. MANSFIELD, Prop.

ON THE FARM IN WINTER.

The farmer has especial advantages over the town poultry raiser for producing winter eggs, because he can raise about all the food the hens require. As a portion of it is green food, there is a good opportunity to utilize the inferior heads of cabbage, some turnips, rutabagas, etc. The turning of these things into eggs when prices are high will be very encouraging. When the farmer once realizes what profit can be made from a flock of well-kept hens in winter he will thereafter have a patch of crimson clover pasture for them to run on at that season.

One of the best diets for the production of winter eggs is the following, which is recommended by Mr. Brown, in the *Baltimore Sun:*

"Morning food, ground oats, cornmeal or hominy chop, and good wheat bran—equal quantities of each in bulk. Mix thoroughly, so to distribute the ingredients, evenly, then pour on boiling water sufficient to make the mixture of a crumbly consistency. Feed when it has cooled to blood heat. It is a good plan to mix the food the last thing at night, and set the pan with it in on the back of the stove. This will enable one to feed early—a very important thing. The noontime meal can be the cut clover steamed. The supper—wheat, corn, buckwheat and oats. The idea should be to alternate the grain food, feeding wheat one day and corn the next. Feed the oats and buckwheat together. The mixed food can also be varied by using a portion of boiled roots, and leaving out the ground oats. An occasional feed of boiled oats at noon should be given. In very bitter cold weather the grain food should be warmed enough to take the chill off. Occasionally charring a little of the corn will do good. Frozen ground affords a poor chance for the hens to secure the required supply of grit, therefore an accessible supply of crushed oyster shells should be provided. The table scraps make excellent winter food for the hens. The aims should be as before stated, to supply as great a variety of food as possible. Do not imagine the proper way to supply the hens with water in winter is in ice and snow form. See that they have plenty of water, and that it has been heated sufficiently to take the chill off. The grain supply for supper should be scattered in the scratching shed, which should be kept liberally supplied with dry, clean litter, frequently renewed. If a flock that is properly housed in henhouses cleaned every morning is fed as specified above, the return in eggs in winter will make the work a very pleasant task. Some may think it is a good deal of trouble to be thus particular with food and the observance of cleanliness. It is, but it pays.

A natural fondness for domesticated animals—especially for poultry; a moderate investment in the best grades of fowls, according to climate; an exercise of patient and painstaking care of the flock; a rational advertising of the stock for sale in due season, are the bases of success in the poultry business.

One trial of an ad is like one mouthful of wholesome food—it is good, but not satisfying.

When you are ready, Mr. Poultryman, open your advertising fire.

DON'T SET HENS THE SAME OLD WAY.

THE NAT'L HEN INCUBATOR beats the old plan 3 to 1. **Little in price** but a big money maker. **Agents wanted.** Send for catalog telling how to get **One Free**

Natural Hen Incubator Co., B 4 Columbus, Neb.
Rev. H. Heuser made a 100 Egg Hatcher, cost $1.00

BEST BUFF ROCKS

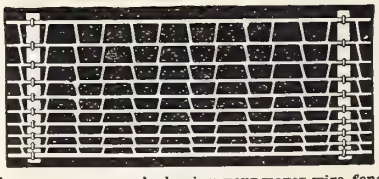
These are my specialty, and my birds are noted for **their large size, correct shape, small combs, deep red lobes, clean yellow legs** and **rich golden color.** They are good all-year-round layers, splendid mothers and combine in a high degree beauty and utility. Eggs from prize winning stock **$5** per setting. **BUFF LEGHORNS.** To close out my stock of this class will sell all birds at half my usual price. Eggs, **$2 for 13.** PEKIN DUCKS. Prize winners for sale. Write for what you want, circulars, etc.

DR. O. P. BENNETT, MAZON, ILL.

NO USELESS GEARS

in this mill to absorb and waste power. It is a simple, direct grinder, of large capacity and requires small power. The **ELECTRIC FEED MILL** cuts, crushes and grinds ear corn and all small grain, converting the whole into fine or coarse feed, according to adjustment. Meets the demand for a good mill at a fair price. Circulars free. **Electric Wheel Co, Box 194, Quincy, Ill.**

ECONOMY IS THE KEY TO WEALTH.



You can save money by buying your woven wire fence from us.

WE SELL DIRECT TO THE FARMER At Wholesale Prices.

We use only the best quality of steel wire, all galvanized; no small wires used; it's all interwoven; the stays can't slip. Write to-day for circulars and prices.

ADVANCE FENCE CO.. 108 Old St., Peoria, Ill.

Which Was Created First—

The Hen or the Egg?

Poultrymen may differ in their opinion as to this question, but all agree that green cut bone prepared by Webster & Hannum Bone Cutter will double the egg yield. Your ration should contain at least 20 per cent of green cut bone—not dried bone—for best results.

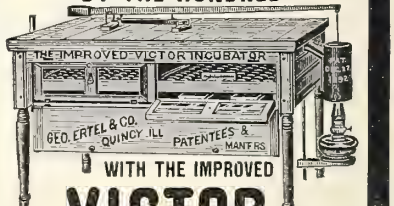
We have not space here to tell you all the reasons why our bone cutters are better than all others, but we guarantee it to be so or return your money

Stearns Clover Cutters and Grit Crushers are the best and cheapest.

Our booklet tells all about these machines and how to make poultry pay. Write to-day.

E. C. STEARNS & CO., Box —, Syracuse, N. Y.

Hatch Chickens BY THE HUNDRED



WITH THE IMPROVED

VICTOR INCUBATOR

It is a pleasure to operate, absolutely self-regulating, needs no watching during day or night. Its hatching qualities are second to none. Thousands in successful operation; the simplest, most durable and cheapest first-class Hatcher in the market. A written guarantee is sent with each machine to be as represented or money refunded. Circular **free.** Catalogue 4 cents. Address

GEO. ERTEL CO., Patentee & Mfg.,
Established 1867. QUINCY, ILL., U.S.A.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

POULTRY IN GEORGIA.

We have received a very pleasant letter from A. A. Lindley, of Cox, Dodge county, Ga., telling of the growth of interest in thoroughbred poultry in that section. Cox is a milling town, where lumbering affords one of the chief sources of revenue. The climate is, we should say, well suited to poultry raising. Mr. Lindley is starting right. He will, no doubt, soon become one of the leading poultrymen of his promising region.

CUT BONE FOR POULTRY.

The older poultrymen need no suggestions regarding the use of green cut bone for poultry. There is probably no established yard that does not already contain a bone cutter; but if there is one we simply say we are amazed. Younger breeders, however, and keepers of a few fowls, may not be properly equipped in this respect. They should know that green cut bone supplies the meat element which is found in insects during free range in summer. Meat is indispensable. We can recommend the F. W. Mann Company's bone cutter as desirable in all yards. Send for a circular at once, and name A. P. J.

A TIMELY HINT.

We invite the attention of our readers to the advertisement of the Des Moines Incubator Company, on another page of this paper. The Successful, Eclipse and Crescent incubators and brooders made by this company are universally recommended as necessities not only for breeders but also for farmers. They are so automatic in their action that there is no difficulty in operating them. A few minutes in morning and evening are sufficient to attend them, so they need not in any way interfere with farm or household work. Send 6 cents for their descriptive catalogue and price list. Address Des Moines Incubator Company, Box 1, Des Moines, Iowa.

LINE BREEDING.

In regard to line breeding, S. A. Noftzger, North Manchester, Ind., breeder of Partridge Cochins, Buff Rocks and B. B. R. Game Bantams, says, in a letter to A. P. J.: "The wisdom of line breeding is fully demonstrated in our 1899 chicks. In the sons and daughters we see indelibly stamped the desired features of noted show birds. If poultry fanciers had earlier appreciated this system of breeding, always keeping the desired result in view, how much better thoroughbred poultry would be to-day. Judicious, intelligent line breeding is advisable in every instance."

Cornish and White Indian Games are exclusively raised on "Silver Popular Farm," by W. S. Templeton, Dakota, Ill. The imported Cornish "Admiral," a worthy wearer of that high title, is owned and bred from by Mr. Templeton. When addressing this well known breeder please mention A. P. J.

Thomas H. Mills, Box 77, Port Huron, Mich., is having a big trade in Buffs—having Leghorns, Rocks and Orpingtons. Early orders are giving promise of a very good season.

Continuous Profits in Poultry.

Nothing affects the profits in the poultry business more than the food. Proper food will make continuous profits. It is continuous profits that pay in the poultry business.

Chickens must be kept constantly growing from the moment they leave the shell; this enables you to send the surplus cockerels to market in the quickest time possible, and bring the pullets to laying maturity before cold weather sets in.

American Poultry Food.

A MORNING MASH.

With American Poultry Food the inexperienced as well as the experienced person may accomplish the above results, by following the directions in the new booklet entitled "Practical Poultry Feeding," issued by The American Cereal Co., of Chicago, Ill., and we would advise all our readers to send for a copy, which will be mailed free on application. Address THE AMERICAN CEREAL CO., Chicago, Ill. 1353 Monadnock Bldg.

JAS. CHRISTOPHER,

Proprietor of

KICKAPOO POULTRY YARD

Breeder of BARRED and WHITE **PLYMOUTH ..ROCKS..**

A Limited Number of Young Stock for Sale.

Eggs in Season.

Correspondence Solicited

JAS. CHRISTOPHER, HEYWORTH, ILL.

F.P.W.Co.

PIONEER CLOVER MEAL

EGGS ALIVE

WOULD BE ANOTHER GOOD NAME FOR FERTILE EGGS.

If you are not getting that kind, the reason is that your hens haven't the **PROPER FOOD FOR EEG PRODUCTION.**

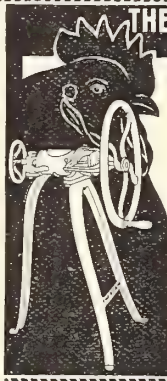
PIONEER CLOVER MEAL

Makes hens lay eggs that are full of vitality and which are sure to hatch strong, healthy and vigorous chicks. It makes young chicks grow rapidly. Wonderful for broilers. Makes sweet, tender, high-flavored flesh. It is made from clean clover hay, cured by our own special process so as to preserve all the bright green color and the delicious aroma and essential oils. It is ground into the finest meal by our powerful and specially designed machinery. **No additions, no adulterations,** but **clean, pure, sweet and wholesome clover hay.** Then, too, it is quite cheap—only costs: 50 lbs. $1.00; 100 lbs. $2.00. Use it this winter and get eggs when eggs are worth money.

Sample and editorial endorsements **FREE.**

THE BENNETT & MILLETT CO., BOX A, GOUVERNEUR, N. Y.

THE ADAM GREEN BONE CUTTER

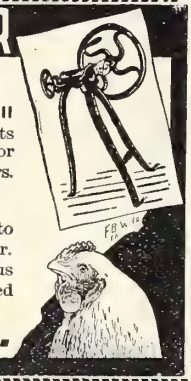


This is the Bone Cutter

—and indeed the only one which is equipped with **ball bearings.** That's why it **runs so easily.** It cuts on the shear plate principle. No gouging, crushing or breaking of bone into pieces or dangerous bone splinters.

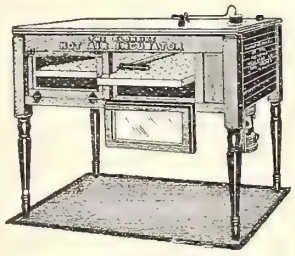
Leaves a Shaving of Bone,

fine and easily consumed by fowl or chick. Easiest to clean — **cleans itself.** Feeds at will of operator. Strong and durable. Large capacity. Made in various sizes for hand and power. Write for our illustrated Catalogue No. 3, prices, etc.



W. J. ADAM, JOLIET, ILL.

Klondike Incubators



Challenge a comparison of points with any incubator on the market.

Investigate our new method of radiation and regulation which produces artificially the conditions under which eggs are hatched by hens. The Klondike brooders are unequalled for raising chicks. A new method which trial has proven successful. Write to-day for Free Catalogue.

The Klondike Incubator Co., Box F, Des Moines, Ia.

MICA-CRYSTAL.

STANDARD POULTRY GRIT OF AMERICA.

THE PERFECTION SHELL MAKER AND GOLDEN YOLK PRODUCER.

White Quartz, 58 p. ct. DIGESTER. **Aluminum, 20 p. ct.** SHELL MAKER. **Iron, 12 p. ct.** YOLK MAKER. **Magnesium, 10 p. ct.** SHELL MAKER.

Seventh Year of Successful Introduction.

For Sale by Sprague Com. Co., Darling & Co., F. S. Burch & Co., Chicago.

Complete Poultry Success

We Pay the Freight

depends upon nothing so much as **successful hatching.** Successful hatching depends in turn upon the quality and reliability of an incubator. Our **SURE HATCH INCUBATORS** are a complete success. **Hundreds in use. They hatch every egg** that can be hatched in any way. Entirely automatic. They are the only machines made that do not at times overheat the center of egg chamber and chill edges. Nursery under egg chamber for chicks. **Our Common Sense Brooders** are equally superior. Catalogue **free**—not sold. Full of practical ideas.

SURE HATCH INCUBATOR CO., Clay Center, Nebraska.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

FRED E. BALDWIN'S STOCK.

One of the largest sales of fancy poultry made for some time was closed Oct. 29, between George H. Rattenbury, of Cedar Rapids, Ia., and Fred E. Baldwin, of Ottumwa, Ia. Some five or six years ago Mr. R. bought a Partridge Cochin cock that had won at several large shows, scoring 93 to 95½ under several of the best judges. He was a heavily feathered American type bird. With this he mated an English pullet that won second at Kansas City, December, 1896, in the full-feathered class; also secured from Mr. Baldwin. This crossing of American on English Partridge Cochin was very satisfactory and birds from the pair won most of the prizes and the gold special at Cedar Rapids show, and have repeated it each winter since, Pierce scoring his winning hen last season 95½ points. With the progeny of this pair he mated each season the best cockerel he could buy of George W. Mitchell and the past winter he secured a cock bird of Mr. Mitchell that won at Boston and New York as a cockerel. With this great male he persuaded Mr. Baldwin to mate Chicago Maid, his best female, reasoning that the uniting of the best eastern and western birds must be a successful undertaking. This transfer includes Mr. R.'s interest in the progeny of this great pair, all of the prize hens purchased a year ago from Baldwin, stock reared from Mitchell eggs, stock reared from other eggs purchased in the east, and last but not least valued by Mr. Baldwin are chicks raised from a sitting of eggs secured from F. W. Field & Son, Somers, Conn., from the Buff Rock pen headed by the first prize cockerel of the last Boston show. In this brood is a cockerel with a clear-cut wing. These birds, added to the fine stock bred and exhibited so long at Oaklyn Place, must be appreciated by fanciers of these varieties. About 100 birds are included in this transfer. If you desire something good look up the large advertisement of Mr. Baldwin's stock in this issue.

The Buckbee Seed Farm, at Rockford, Ill., is an interesting place. The seeds are grown under the Buckbee's supervision on farms located at the extremes of the country from Michigan to California, at whatever point experience has shown that the best seed of that particular kind can be produced. At the trial farms at Rockford these seeds are carefully tested—first by a germination test which must develop at least 92 per cent of the seed or they are discarded as not up to the Buckbee standard. After this they are given a practical field test. No new variety is ever advertised or sold by the Buckbees until after it has been tested three years. It is in this way, by being absolutely certain that everything which leaves the seedhouse is exactly as represented, that the immense trade of the Buckbee firm has been built up. It is a striking object lesson in business honor.

The beautiful new catalogue issued by the Illinois Incubator Company is a work of art, and will be mailed free to all who will write for one to the Illinois people, as per the address elsewhere. "Nature's only rival" still remains the motto of this progressive company, which refers direct to the Illinois incubators as manufactured by them only.

THE HOUDAN CATALOGUE.

From Maine to California, from Manitoba to Florida the Houdan has won admiration and enthusiastic devotion from true fanciers of fine fowls. This statement is confirmed by the handsome catalogue of the American Houdan Club, now ready for delivery. The printing was done by B. J. Lowrey, Howard City, Mich., and is an excellent specimen of work. We do not attempt a synopsis of the contents of this readable pamphlet. No breeder of Houdans can afford to be without it or to remain outside the club. All fanciers can learn good points from the articles given in the booklet. We advise sending for it. Address Thomas F. Rigg, secretary-treasurer, Iowa Falls, Iowa.

G. W. Brown, proprietor of Ouachita (Washita) Valley Poultry Farm, Camden, Ark., writes us that he has now ready for quick sales a magnificent flock of the largest and handsomest quarter Wild and Bronze turkeys ever produced on earth. You simply can't imagine the value of this wild blood, which gives vigor and dazzling bronze coloring. Also the very largest of Pekin ducks, as well as the choicest young Barred Rocks, S. Wyandottes, Indian Games, Buff Cochins, Light Brahmas and Brownie Pet Games. Write for prices and handsome catalogue.

J. G. Lembke, of Griswold, Ia., offers in his ad this month, bargains in high-class surplus stock. Mr. Lembke assures us that the above is all first-class stock, and the cut in price is made on account of removal and want of room, so as to move all surplus stock at once. This is a great chance to get high-grade royal bred Brahmas and Mammoth Bronze Turkeys and Collie pups at less than half prices.

Grose & Painter, Middletown, Ind., won at fair in that place on White Rocks, first pair fowls, first chicks, first pen. No Brahmas shown. At Newcastle, on eleven varieties, won five firsts, four seconds. At Indiana State Fair, on Brahmas, two hens shown, won second. Their Rocks were in bad molt, but they hustled the winners. The coming winter this firm will be right in the fight.

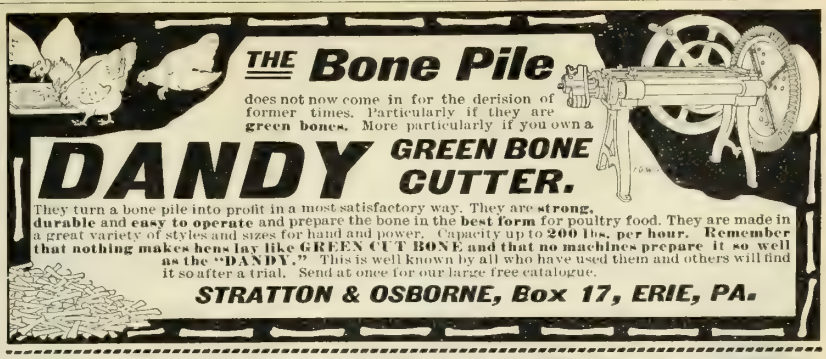
James Christopher, Heyworth, Ill., proprietor Kickapoo Poultry Yards, begins advertising his Barred and White Plymouth Rocks in this issue. When writing him please mention AMERICAN POULTRY JOURNAL.

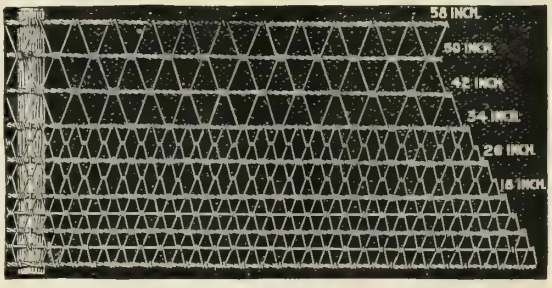
Paul B. Harshman, Sullivan, Ill., breeder of Barred and White Plymouth Rocks is having a good trade this season. He says A. P. J. is bringing in the inquiries in satisfactory manner.

The Safety Egg Box is made by C. H. Royce & Sons, 201 Jefferson avenue, Detroit, Mich. This economical box is worth more than its cost to shippers. Ask for circular and mention A. P. J.

Observe the twenty-day special sale of S.-c. B. Leghorns by E. C. Brattain, Connersville, Ind. He offers bargains in this variety.

F. R. Simmons, Casstown, O., has White Wyandottes and White Leghorns. They are Duston strain.





THE ELWOOD FENCES

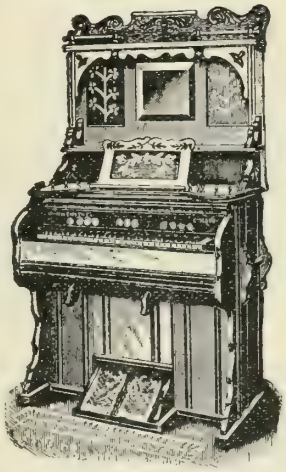
are the Standard Woven Wire Fences of the World. Standard in quality of spring steel wire, standard in heavy galvanizing, standard in efficiency, durability and economy. Standard for every fencing purpose, for horses, cattle, hogs, pigs, sheep, poultry and rabbits. **STANDARD OF ECONOMY**—More of our fences sold and put up in 1899 than of all other woven wire fences combined. Sold by our agents everywhere. If no agent in your town write to

AMERICAN STEEL & WIRE CO., Chicago or New York.

JOHN M. SMYTH CO.

MAMMOTH MAIL ORDER HOUSE — 150 TO 166 WEST MADISON ST CHICAGO

HOW CAN THEY BE SOLD AT THE PRICE?



$31.50

only for a solid oak, 5 octave 11 stop Organ, unsurpassed in tone and unequaled in looks at anything like this price. We do this because our policy is a large volume of business on a small margin of profit, and because we desire to become better acquainted in your neighborhood.

Here is an organ possessing all the latest up-to-date improvements. The case is made of solid oak, ¼ sawed and elegantly finished; it is 77 inches high, 42 inches wide and 23 inches deep; the beautiful canopy top is handsomely carved and is fitted with a French beveled plate mirror. The action contains the very latest improvements and is also fitted with the automatic valve which prevents any possible overstraining of the bellows. The tone is everything that can be desired, being rich, full and sweet and equal to that in many higher priced organs. Has five octaves with a grand total of 122 reeds, three sets of octaves and two sets of two octaves each. Has 11 stops — diapason, dulciana, principal melodia, celeste, cremona, bass coupler, treble coupler, diapason forte, vox humana, grand organ and knee swell. **We guarantee absolute and perfect satisfaction or money refunded.** We also allow you the privilege of returning it at any time within 30 days of receipt if you are not perfectly satisfied. We also include with each organ an elegant stool and a valuable instruction book. All orders are promptly and carefully filled. **This is certainly a bargain at our wonderfully low price** **$31.50**

We will send to any address upon receipt of $5.00 as a guarantee of good faith, but we advise cash with order, whereby you save extra charges, while we guarantee to refund your money if you are not perfectly satisfied.

MAMMOTH CATALOGUE

In which is listed at lowest wholesale prices everything to eat wear and use, is furnished on receipt of only 10¢ to partly pay postage or expressage and as evidence of good faith the 10¢ is allowed on first purchase amounting to $1.00 or above.

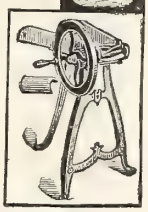
OUR MONTHLY GROCERY PRICE LIST FREE.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

MANN'S GREEN BONE CUTTERS

Make a complete success of the poultry industry. They take cheap green bones and convert them into the most valuable poultry food. **Green Cut Bone doubles the eggs produced.** It is rich in all the elements contained in eggs. **Our Cutters run easy, cut fast and fine** and last for years.

MANN'S GRANITE CRYSTAL GRIT

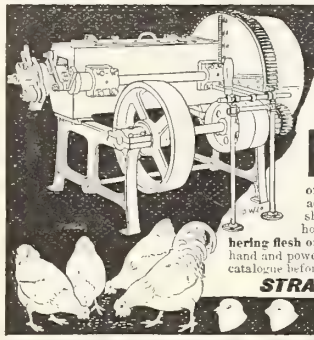


Mann's Clover Cutter is a strong durable machine that cuts rapidly and easily all kinds of hay, clover, etc., dry or green. The single knife is **easy to keep in order.** No danger to hands or fingers in feeding. One turn of the wheel makes 12 cuts—**four times as fast as others.** Made with or without stand. Price, $8. and $10.

Mann's Swinging Feed Tray saves its price in feed in a short time. Hens can't scratch feed out of it or dirt into it and can not wallow in it or roost upon it. **ALL IRON—INDESTRUCTIBLE, LASTS ALWAYS.**

Mann's Granite Crystal Grit is the sharpest and hardest grit known, and is absolutely clean, free from all dust, sand etc. **It is better and cheaper than oyster shell.** Cuts and grinds the hardest foods, inducing perfect digestion. Cash or installments. Illustrated catalogue free.

F. W. MANN CO., Box 56 MILFORD, MASS.



Wholesale Poultrymen—

those having a more than usually large flock, or the man who cuts green bones to sell to poultry people, will find this

DANDY GEARED GREEN BONE CUTTER

of special value. Inside diminsions of bone box 7x9x30 inches; automatic feed; adjustable to **fine, medium or coarse;** tight and loose pulley; belt shifter; extra heavy fly wheel and has a capacity of 200 lbs. of cut bone per hour. **We absolutely warrant this machine to cut green bones and all adhering flesh or gristle without choking or clogging.** We make many other sizes, both hand and power, each of which is the best of its kind for the purpose. Write for extended catalogue before buying anything in this line. We mail a copy **FREE.**

STRATTON & OSBORNE, Box 17, ERIE, PA.

ENTERPRISE

Meat and Food CHOPPER

Unquestionably the most perfect, most convenient, most durable and most economical machine that has ever been made for chopping—

Sausage and Mince Meat, Tripe, Suet, Hash, Hamburg Steak, Clams, Chicken and Lobster for Salad, Codfish, Cocoanut, Corn for Fritters, Scrap Meat for Poultry, etc.

Does not grind or shred the food, but *chops* finely, evenly, rapidly. Our trademark **ENTERPRISE** is on every machine. Prices: No. 5, $2.00; No. 10, $3.00; No. 20, $5.00. Twenty-three other sizes and styles, for hand and power. Sold by all hardware dealers. Descriptive catalogue mailed free.

Send 4c in stamps for the "ENTERPRISING HOUSEKEEPER"—200 recipes.

THE ENTERPRISE MFG. CO. OF PA., 3d & Dauphin Sts., Philadelphia, Pa.

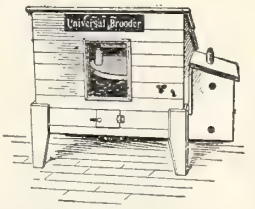
The Universal Incubator

The Leader of All.

14 Years of Public Trial made it the "Standard."

Unique Moisture and Ventilation Arrangement made it the "Favorite."

Hatching you your broilers as well as ducklings, and making it pay.



SEND for catalogue; you may have it for the asking; be convinced and join the happy family of Universal users.

E. W. ANDREWS INCUBATING CO., Elmira, N. Y.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

DWARF ESSEX RAPE.

Dwarf Essex rape is not exactly a hardy plant, as it will not endure our severe winters. It is, however, considerably more than half hardy standing green and fresh until hard, freezing weather comes. It is a member of the cabbage family and like cabbage is a biennial, maturing seed the second season from planting. It may be sown at any time from March to August and will make a good growth, doing better when sown early, as dry weather affects it. Poultry are very fond of it and it furnishes a very good pasturage for fowls that are confined during the summer.

ARTHUR G. DUSTON.

Wherever the White Wyandotte is known the name of Arthur G. Duston, of Marlboro, Mass., is likewise a familiar one. Mr. Duston is a specialist, which means that he is devoted to and enthusiastic in his work. When a Wyandotte of this variety is desired our readers will act wisely in mentioning this unsolicited and sincere commendation of Mr. Duston by A. P. J.

The Advance Brooder Co., of Budd, Ill., offers a complete brooder that has already won a diploma at the Illinois State Fair for 1899. This machine is made under the management of W. H. McCormick, who is favorably known to our older readers as a poultryman of experience. When addressing this concern please mention A. P. J.

The Cleveland Poultry Company, of Plattsburg, N. Y., write that they are literally "snowed under" with orders for cut clover, and in consequence of the short clover crop all through the east are therefore compelled to advance the price of cut clover 25 cents a hundredweight.

J. W. Marks & Co., Huntley, Ill., have a variety of fine poultry for those to select from who desire Brahmas, Cochins, Rocks, Wyandottes, Leghorns, Langshans, turkeys, geese, ducks and other fowls. We direct attention to their ad for details. Please mention AMERICAN POULTRY JOURNAL.

Myer Bros., Malden, Ill., can well announce that their Barred Rocks and Bronze turkeys are of the winning kind. Forty regular prizes at seven shows—and a tom that clipped forty-eight pounds in the show room—are the sort of records to please one.

That veteran poultryman, Joe Farmer, Flushing, O., informs us that "everybody seems to want Rocks, and trade is good because of this demand." Still, Mr. Farmer has a few hundred nice birds to spare.

T. Keel, Westville, Ind., offers Buff Rocks and Cochins. His stock has won at Porter County Fair. He guarantees good hatch. His prices are reasonable.

A. Z. Copeland, Potomac, Ill., has fine White Holland turkeys, White Plymouth Rocks, G. S. Bantams and Poland-China swine.

Old Homestead Brooder Company, Middleboro, Mass., succeeds L. Brown, of Sturbridge, Mass., in the manufacture of that brooder.

Shipped on Approval.

550 head of Buff Leghorns and Buff Cochins, from such birds as 1st, 95, pullet at Chicago, 1st ckl at Columbus and 2d cock at Pittsburg. Many are **SOLID BUFF.** Exhibition birds at low prices and guaranteed to please.

RALPH H. MATHEW, Box A, Sabina, Ohio.

10 YEARS **Davidson's Light Brahmas** **10 YEARS**

are the product of ten year's experience. Large size, Standard markings, heavy laying and prize winning qualities their characteristics. Plans for the Iowa Brood Coop $1.

U. GRANT DAVIDSON, Manson, Iowa.

Barred Plymouth Rocks.

CLOSING OUT SALE.

Owing to a change in business I must sell my **ENTIRE STOCK.** Choice **EXHIBITION** and **BREEDING** birds. Write your wants and get prices that will astonish you. Satisfaction guaranteed.

H. P. THOMAS, So. Charleston, Ohio.

GROVER & GROVER

OF CONCORD, MICH.,

Have a grand lot of youngsters for sale from their great Chicago winners.

WHITE AND BUFF PLYMOUTH ROCKS AND BLACK JAVAS.

Send for Records. Mention A. P. J.

North Side Poultry Yards.

Silver and Buff Wyandottes.

Our birds are winners at the large Western shows, winning three firsts out of five on Silvers at the last Chicago show.

400 Head of Yearlings and Chicks For Sale.

150 with score cards after Nov. 7th. Also four pens of our last season's breeders. A fine illustrated catalogue upon application, stamp acceptable.

This is a good time to commence to feed Spratt's Patent Poultry Food, to get your birds in condition for the show room. Prices and book on feeding same for stamp.

A. & E. TARBOX, Yorkville, Ill.

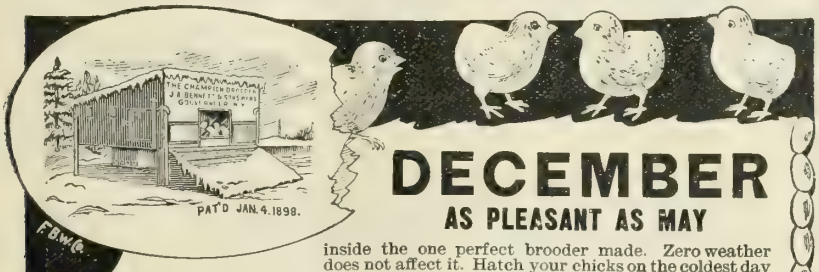
I AM SELF REGULATING AND HATCH YOU STRONG HEALTHY AND YOU WILL BE SURPRISED

Do You Know

that the **Olentangy Incubators & Brooders** are the best? Those using them say they are. Try one. 10,000 in use. Send 2c for Cat.

Address, **G. S. SINGER, Cardington, O.**

TO SEE HOW FAST MY CHICKS WILL GROW IF YOU RAISE THEM IN AN OLENTANGY BROODER



DECEMBER

AS PLEASANT AS MAY

inside the one perfect brooder made. Zero weather does not affect it. Hatch your chicks on the coldest day of the year and you can bring them through all right in the

$5 Champion Brooder

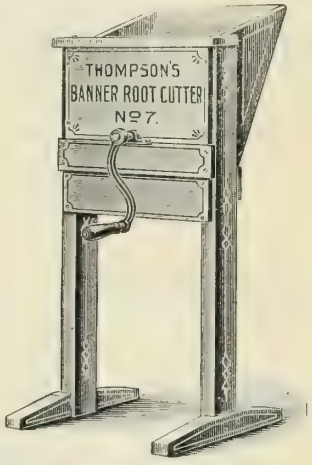
"KNOWN BY ITS WORK."

It not only saves their lives, but it pushes them to healthy maturity. It's in the way it's built. It is **simple and effective in construction** and at its price is the very best article of the kind on the market. The secret of its great success is in its effective and **perfect radiation** and **distribution of heat.** It is double floored, which prevents entirely cold feet—warm feet means warm chicks. Is in no way influenced by sudden changes in temperature. It is simple and perfect in ventilation, affording **always plenty of fresh warm air.** Because of its perfect construction it requires the minimum of fuel in heating. **Costs nothing to investigate. Our book's free.**

J. A. BENNETT & SONS, Box A, Couverneur, N. Y.

BANNER ROOT CUTTER.

The Banner Root Cutter No. 7, which is manufactured by O. E. Thompson & Sons, Ypsilanti, Mich., and which is being regularly advertised in these columns, is especially designed for preparing roots and vegetables for consumption by poultry. We say "preparing roots, etc.," designedly, as we wish to draw a distinction between cut roots and those prepared by this machine. As a matter of fact it does not cut the roots and other substances at all, but, by an ingenious construction of the knives, which are of



two widely different kinds, they shrive off half-round ribbon-like pieces of the root, which are easily and greedily consumed by fowls of all sizes. The method of preparation avoids entirely the possibility of any choking. We need not here dwell upon the advantages of feeding roots and vegetables to poultry, for it is a subject already well understood by our readers. We are glad therefore to be able to point out a means of their easy and perfect preparation. Write the Thompson people for circulars which fully illustrate the machine and the form of its product. Kindly mention A. P. J. in writing.

Chas. McClave, New London, O., is one of the foremost breeders of land and water fowls in America. His famous farm, "Linwood," has been known for twenty-six years. Mr. McClave is a professional judge of poultry, his engagements running from November 9 to January 27 and embracing fifteen important shows in Pennsylvania, Ohio, Indiana and Kentucky.

Our readers may have noticed the ad in the A. P. J. of the American Poultry Food Company. In explanation of "D" Poultry Foods, we wish to say that the letter "D" is the initial letter of the originators of this line of poultry foods, C. H. Dempwolf & Co., proprietors of the York Chemical Works, having formerly conducted the business.

R. H. Vanderhoof, of Newton, Ill., has some excellent stock that he is selling at very reasonable prices. Buff, Barred and White Plymouth Rocks from the leading strains, and also Poland-China hogs at $10 to $15 each.

C. B. Huff, lock box 73, Delaware, N. J., is offering some fine cockerels of B. and W. Rocks, Light Brahmas and S.-c. W. Leghorns at $3 each.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

EXPRESS PAID on stock and eggs on farm-range W. Wyandottes, Bar. P. Rocks, Buff Leghorns, R-c. W. Leghorns. Eggs $1.50 per 15; $2.50 per 30; $5 per 100. Address all orders.
N. K. MENDELS, Ada, Mich.
A fine trio of S. S. Hamburgs for sale at $4.

BANTAMS—Golden Sebright, Silver Sebright, Black African, White Rosecomb, White Polish, Black Cochin, White Cochin, Buff Pekin, Black Tail Japanese, Red Pile Game, Black Red Game, Golden Duckwing Game, Silver Duckwing Game, Cuckoo Cochin. Eggs $1.50 for 13.
H. D. & H. P. TAYLOR,
274 Warren ave., East. Detroit, Mich.

GAME FOWLS AND GAFFS
Cocks for the pit; fowls for breeding.—Importing a specialty. Steel and silver spurs, all styles. Everything guaranteed. Write for catalogue. Mention this paper.
H. P. CLARKE, Indianapolis, Ind.

WHITE WYANDOTTES,
Game Bantams.
STOCK FOR SALE.
G. A. C. CLARKE,
Box A, LeMars, Iowa.

You can't read everything in print. But you can read

"Poultry and Pigeon Raising, and How to Make it Pay,"

By EDWIN W. FLY, Manager Clear View Farm, Chalfont, Pa. Send me 25 cents and I will send you the book postpaid.

Are You in Need
OF A FIRST-CLASS
Barred Rock
cockerel? If so, write us. We have some of the **BEST** breeders we have ever raised, and prices are very low.
JAS. N. HUTTON & SON,
Door Village, La Porte Co., Ind.

Poultry Printing
That Will Give Returns
Samples and Prices Free.
B. F. HUNTINGTON,
Platteville, Wis.

Single Comb Black.... MINORCAS.
Breeding Stock For Sale.
Cockerels $2 and $3 each; pullets $1 and $2 each.
LUNY REYNOLDS,
1221 Maple ave., Westville, Ind.

GOOD FENCE!
Makes good neighbors. Why not have both when you can make the best for
20 to 35 Cents a Rod.
A little inquiry into the merits of our system of fencing will repay you handsomely. Write to-day for free Catalog.
KITSELMAN BROTHERS,
Box 15 Ridgeville, Indiana, U. S. A.

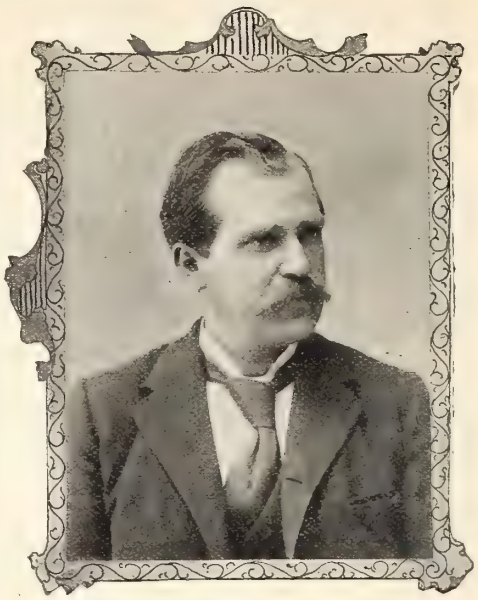
Granulated Blood,
deodorized. The best meat food for poultry. 50-lb. sacks only $2.00. Special to agents.

Lee's Tonic Powder,
brings the eggs when all else fails. Per pkg. 25 cts., postpaid 35 cts., 25-lb. box $3.00.
GEO. H. LEE CO., Omaha, Neb.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

REMARKABLE SUCCESS WITH LANGSHANS.

MANY men try; some men succeed. A. Heimberger of New Albany, Ind., belongs to the successful class of poultrymen who make a specialty of one breed and who put forth every effort to reach the mark of perfection. That he understands the breeding of Black Langshans is evident to even the casual observer visiting his yards. Here can be seen some magnificent specimens of the fancier's skill, and it is doubtful if better birds can be produced. His show record bears out the statement that better ones have not been produced, at least. He has succeeded in combining standard shape and color to a marvelous degree. Purple barring and off-colored feathers are almost unknown defects in his flocks, while the rich glossy black and green sheen so much desired in certain sections have been brought out to such an extent as to attract unusual attention from experienced breeders of this variety. The shape of his birds is one of their strong points, and good, reachy cockerels, with the much desired fountain tails, are the rule and not the exception in his yards. It is birds like Mr. H's that have won for the breed the name of "Lordly Langshan." He has a large number of early-hatched birds that will win for his customers, and his surplus is so large that he is disposing of them at prices that make the birds more than worth the money. Those of our readers who intend to purchase Langshans should not fail to read Mr. Heimberger's announcement in our advertising columns.



MR. A. HEIMBERGER.

GOOD ADVICE.

Advice is good or worthless, according to the need of the one who listens to it. There is not a reader of these lines probably who is not interested in poultry, and anyone who is concerned in poultry raising needs a suggestion now and then as to feeding young fowls. Profit turns on this point. We earnestly recommend the booklet on "Practical Poultry Feeding," issued free by the American Cereal Company, Chicago, Ill. Send for one and mention AMERICAN POULTRY JOURNAL. The American Cereal Company is one of the largest and most responsible companies in this country.

Bernon Ogden, San Diego, Cal., is breeding Partridge Cochins exclusively. His foundation is the Mitchell strain, with a grand cockerel from the yards of O. E. Skinner. Mr. Ogden does not offer stock for sale at present, but after February he will sell eggs at $5 per thirteen. Observe his ad in this issue, and book orders now to insure early delivery. Say you saw this in AMERICAN POULTRY JOURNAL and "he will know the rest."

A. J. Bargahiser, Rockford, O., who has been raising thoroughbred Barred and White Plymouth Rocks, White Wyandottes and Houdans since 1881, reports a fine lot of birds now nearing maturity. His Houdans are especially good this year. When you write him for details please mention AMERICAN POULTRY JOURNAL.

Southwick & Barclay, Friend, Neb., won all firsts and seconds they competed for on White and Buff Langshans at Lincoln Fair. Their Black Langshans are large and of fine color.

SURE HATCH INCUBATOR.

The Sure Hatch Incubator Company, of Clay Center, Neb., is carrying its ad for the new season's business in these columns. We request our subscribers to read it. These people have not been in the incubator business as long as some others of our advertisers in this line, but the high quality of their machines is attested by the success they have made. It is generally supposed that a man or a machine is most successful away from home. If home success is a recommendation, and we believe it is, then the Sure Hatch people have many reasons for congratulation as their machines are used very extensively in their own county and state. Read the ad and then write to them, mentioning AMERICAN POULTRY JOURNAL. They may have just exactly what you want.

Theo. Hewes, Trenton, Mo., is one of the most widely known judges of poultry in the west. He is also one of the most experienced of the practical poultry raisers in the United States. We direct attention to his ad in this issue and cordially welcome him to the columns of A. P. J. as an advertiser. Whatever Mr. Hewes says is worthy of belief and is believed by all who know him.

B. J. Lucas, Danville, Ill., sends us some fine specimens of Buff Rock features. He has young stock of that variety which commands admiration from the very best fanciers.

Continental Poultry Farm, Belleville, Ill., has a large number of Pekin ducks to dispose of this winter. Mention AMERICAN POULTRY JOURNAL when writing.

VENETIAN RED AS A REMEDY.

The use of Venetian red as a preventive of or remedy for roup in fowls is by no means uncommon. There is, however, a misconception of the character of the chemical compound, which should be corrected in the public mind. In the November issue of *Poultry Monthly* Henry Hales says:

"There has been a misunderstanding of the nature of Venetian red, through confounding it with oxide of iron red. Having used and handled both articles, Venetian red for the last fifty-five years, and oxide of iron for many years, I will describe the qualities of each. Venetian red was named from its extensive use by the Venetians; it is sometimes called light red. This is yellow ochre calcined, which makes a fine light red. Numerous other reds are now mined in numberless places, and are often sold for Venetian red, and often used, even by painters that do not know the difference. Venetian red proper contains little, if any iron, probably a very small proportion, while the other mentioned reds are more or less composed of oxide or (more correctly) peroxide of iron; some contain over 70 per cent of iron, and are known in the trade as oxide of iron paints. This is the article that has the tonic property, and is what I give my fowls. Any one can test by tasting the water, which is quite harmless, and find whether he is using Venetian red, which is useless, or the oxide of iron red, which is very beneficial. I trust that I may benefit your readers by helping them to use the right article."

Mr. Hales is probably aware that the so-called Venetian red is, properly speaking, prepared from sulphate of iron. It is a chemical treatment with sulphuric acid, but is nevertheless an iron base. As is well known, the old-time tonic, Douglass' mixture, was made by dissolving sulphate of iron (copperas) in water and adding a small quantity of sulphuric acid thereto. This harsh compound was again diluted by being put in drinking water. While modern ideas have relegated Douglass' mixture to the rear, still the fact remains that iron tinctures are beneficial in some cases.

The oxide or peroxide (meaning high in oxygen) of iron is better than the sulphate for this purpose. Mr. Hales is correct in that statement.

The use of oxide of iron is unquestionably of advantage in cases of cold, roup or kindred ailments. To adminster this in water, however, is not so convenient as to make a compound with a perfectly dry vehicle. Take white sand and dry it thoroughly. To five pounds of dry cornmeal, add four pounds of dry sand and one pound of oxide of iron (dry paint) or Venetian red. We know that the latter, as sold by druggists, is excellent, but the oxide has more tonic properties. An ounce of pulverized capsicum may be mixed with this powder. The dose is a heaping tablespoonful to each twelve fowls, given in the morning mash three days, then every other day for a week. This will increase egg production and avert illness, as well as cure colds and incipient roup.

We do not advise the dosing of fowls, but the remedy here described may save a small flock, especially if kept in a confined space during the winter. This compound is good for chicks when given in smaller doses.

White Wyandottes--Pit Games.

If you want some of our this year's breeders, better write us quick. Your money will go much further now than later in the season. Let us know your wants.
BROWNE & MANN, 428 N. 53d st., Austin, Ill.

BUFF ROCKS—Winners at Indianapolis for years. Eggs $2 per 15; $5 per 40. Also Brown Leghorns, winners for 10 years. Eggs $1.50 per 15; $2.50 per 30.
ED. B. MURPHY, Box B., Carmel, Ind.

MONEY SAVED is money made. Buy your breeders now. I am overstocked. Will sell cheap to make room. B. P. ROCKS, W. WYANDOTTES, B. TURKEYS, B. P. BANTAMS, EMBDEN GEESE, OXFORD DOWN SHEEP.
W. N. SMITH, Box 236, Ohio, Ill.

Another BLACK MINORCA Victory

At New York State Fair, 1899, my Minorcas won FIRST COCK, FIRST COCKEREL, FIRST PEN, SECOND HEN and SECOND PULLET, ON FIVE ENTRIES. An unbroken line of prize winners for the past nine years, including MADISON SQUARE GARDEN, with birds combining large size and deep lustre of plumage, has made my strain popular. I have a few prime hens and a grand lot of young stock to sell. COCKERELS A SPECIALTY. Mention A. P. J. and get circular.
J. H. DOANE, Lock Box D, Gouverneur, N. Y.

E. H. EPPERSON, Champaign, Ill.,
BREEDER OF EXHIBITION
Barred and White Ply. Rocks and Mam. Bronze Turkeys

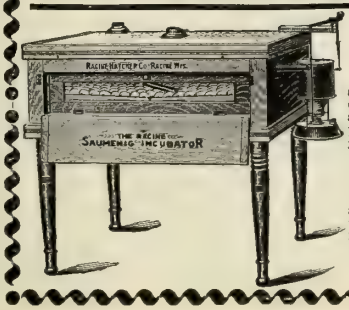
At the Champaign County Fair, 1899, I won on Barred Rocks, 1st and 2d cocks, 1st and 2d hens, 1st cockerel, 1st pullet, 1st and 2d breeding pen. On White Rocks, 1st cock, 1st hen, 2d pen. Stock for sale. Satisfaction guaranteed. Don't write me unless you want first-class stock.
Reference, Champaign National Bank. Mention A. P. J.

HECK'S
WHITE PLYMOUTH ROCKS
Can Win the Blue Ribbon for You.
IT DOESN'T PAY TO TAKE CHANCES when a sure thing is within reach, and if you are willing to be guided in buying stock by records and plain, truthful statements, send for a copy of my catalogue, It is free and explains to you why
HECK'S CUSTOMERS WIN.
FRANK HECK, Box 12, New Albany, Ind.
Sec'y-Treas. American W. P. Rock Club.

100 SILVER WYANDOTTES,
Scored by MR. THEO. HEWES.

I am now prepared to offer 100 Silver Wyandottes with score cards by Judge Hewes. Correspondence solicited. Address
HENRY STEINMESCH, Breeder, Importer and Exporters of Silver Wyandottes,
Lincoln Trust Building, St. Louis, Mo.

The Racine Saumenig Incubators



bring success to poultrymen, fanciers and farmers for the reason that they are
INCUBATORS THAT INCUBATE
and will hatch every hatchable egg. These machines are not experiments. They have proven their superior worth under all conditions and are guaranteed to satisfy. They are simplest in design, easiest to operate and positively self regulating. Made in four sizes, 50 to 300 egg capacity. Our
RACINE SAUMENIG INDOOR TANK AND PIPE BROODERS
are bread winners because they raise every chick to strong, vigorous maturity. The high quality and low price of our machines surprises every one. Send at once for our book, "Poultry Pointers." Worth $8, but sent for a stamp.
Racine Hatcher Co., Box 26, Racine, Wis.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Reliable Breeders' Directory

OF THOROUGHBRED POULTRY.

We believe all breeders whose names appear below to be thoroughly reliable and honorable, and their stock to be of superior quality. Address will be inserted in the JOURNAL for such breeders as can satisfy us upon the above points, and that their stock is thoroughbred, for **$2.00** per year, payable strictly in advance. Those who breed more than one variety, can have address under other headings (after the first) for **$1** for each variety.

Light Brahmas.

C. H. C. Anderson, Carlinville, Ill.

A. T. McClanahan, Forrest, Ill. 2-99-1r

Black Minoreas.

H. H. Wallis, Delavan, Wis.

Barred Plymouth Rocks.

C. H. C. Anderson, Carlinville, Ill.

B. B. R. Games.

J. C. Pratt, Agent.
Residence and Yards, La Grange, Ill.
Office, U. S. Sub Treasury, Chicago, Ill.

Houdans.

John M. Wise, Freeport, Ill. 4-99-1yr

Japanese Silky.

Ber'd McCaffrey, Stubenville, O. 9-98-1y

White Holland Turkeys.

S. D. Mandeville, Sidney, Ill.

Black Cayuga Ducks.

S. D. Mandeville, Sidney, Ill.

Indian Runner Ducks.

Ber'd McCaffrey, Steubenville, O. 9-98-1y

WHITE PLYMOUTH ROCKS,

Embden Geese.

Fine cockerels, pullets and hens for sale cheap. Eggs in season. No more Geese for sale.

TILLMAN EASLEY,
Box E, Newmarket, Ind.

Poultry Supplies.

Bone Meal, Oyster Shells, Lime Stone Grit, Ground Charcoal, Beef Scraps, Broken Crackers, Caponizing Sets, Poultry Markers, Drinking Fountains, Lambert's Death to Lice, GREEN BONE CUTTERS, Poultry Wire Netting, Feed Mills, &c. Send for reduced price list.

J. H. SLACK, Mfr. Poultry Supplies,
Box 210, Bloomsbury, N. J.

SPRING RUN POULTRY YARDS

of Dr. W. A. CRUM and L. A. LOGSDON,
CAREY, OHIO,

have for sale White and Buff Plymouth Rocks, White, Silver and Buff Wyandottes, Toulouse and Embden Geese, in any number, for breeding or show room. We breed show birds for ourselves and also sell them to others to win with. A finer lot of birds never was raised to select from. Write your want and mention A.P.J.

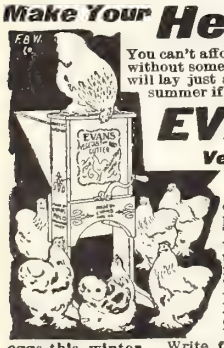
S-c. BR. LEGHORNS,

S-c. BL. MINORCAS.

I won 7 firsts, 2 seconds, 2 thirds at Cleveland and Washington C. H., O. Eggs $1.50 per sitting.

W. H. Wiebke, 266 Beaver ave, Ft. Wayne, Ind

Make Your Hens Pay.



You can't afford to feed hens all winter without some adequate returns. Hens will lay just as well in winter as in summer if they are fed properly.

EVAN'S...

Vegetable and Root CUTTERS

come to the relief of all poultrymen at this point. They cut all roots and vegetables into fine poultry food. Relished by all fowls and is profitable as to results. Beats dried clover, clover meal, &c. Machines greatly improved this season. **Remember, it will double the eggs this winter.** Write for catalogue prices, &c.

EVANS MFG. CO. Dept. B. 231 River St., Detroit, Mich.

DECEMBER WORK IN THE YARDS.

The early hatched pullets should be laying by this time. If they are not it is because something has been lacking in the care of them during the growing season. With a perfectly warm house and proper treatment they may be induced to begin work even as late as this, but to accomplish this they must be very faithfully attended to.

It is time the breeding pens should be looked after. It is not absolutely necessary that the pens be mated up for some time yet, but the fancier's mind should be on the work of next spring and he should begin to cultivate an intimate acquaintance with his birds, getting them on familiar terms with him and studying their marking, shape and other peculiarities.

Green feed of some kind is absolutely essential to the production of the largest possible number of eggs during the cold weather and meat of some kind is just as necessary. It does not matter much what the green feed is. It may be silage or vegetables of any kind or in the absence of anything of this kind nicely cured clover hay steeped in warm water after being cut into short lengths makes a pretty fair substitute. I feed turnips and cabbage almost exclusively for green feed after the rape is gone. Beets, mangels, swedes, carrots or potatoes are just as good. Feed all the fowls will eat three times a week. It does make a difference what kind of meat is fed. There is nothing of this sort equal to green cut bone when it can be got at reasonable cost of time or money. It contains the meat as well as the bone that goes to make eggshells. After the green cut bone comes the meat meal that is sold by poultry supply houses at from $1.50 to $3 the 100 pounds.

Mashes as a Feed.

I am not a very great friend to mashes for poultry, but this fall I have been carrying the matter of feeding a variety of feeds to the limit and this obliges me to feed mashes more than I ever fed them before. I feed corn at night almost always. In the morning I give rye, wheat or whole oats. I have considerable milk and give my hens a rather plentiful supply of that, but give them water also. During the day I turn the hens out to graze or feed them cabbage or turnips in the house. Two or three times a week I mix up a mess composed of meat meal, cottonseed oil cake meal and wheat middlings, adding some pure ground bone meal. This is mixed with warm water until it is thoroughly wetted, but will not stick together, and the hens get all they will eat of it. I never had such nice pullets as I have this season and my Brown Leghorns began to lay the day they were five months old. Not all of them began that day, but two of them started and the remainder followed along later. The old hens are laying nicely and it seems to me the eggs are larger than usual. I am told by those to whom I furnish eggs that they are all right as to flavor and consistency. I like to keep my hens expecting something good to eat and am not much afraid of making them too fat as long as I can keep them scratching in the straw on the floor of the house for the grain I scatter there for their use. As soon as I notice half a dozen sitting around during the day I cut down the rations a little until the whole crowd goes to work hunting for something to eat. They bury themselves in straw every day and sing as if they enjoyed it.

About Breeding Pens.

About the breeding pens. I do not think it necessary to mate up the pens until from two to three weeks before the eggs are to be saved, but the fancier should know long before that time about what birds are going to be kept together. Every hen in the flock should be studied until one is perfectly acquainted with them. I encourage my hens to come to me and stand quietly while I get a good look at them. It isn't much of a trick to tame a lot of hens. Treat them nicely and they will soon eat out of your hand and finally may be picked up and looked over without getting frightened. I have a lot of Plymouth Rock hens every one of which is tame enough so I can take them off the nest when they go on to lay and put them back again without worrying them in the least. No fancier can know his flock until he gains their confidence. They must be so tame that they are not at all afraid to be picked up. Such a flock lays better and when it comes to the showroom they are so easy to handle that they do not worry themselves out of condition nor rumple themselves up in the hands of the judge, which is several points in their favor.

Not a Month to Loaf.

I was going to quit, but I want to add that December is the worst month in the year for the fancier to loaf. It pays to take a little extra pains. Give the fowls corn that has been parched until it is almost charcoal; give them water that has been warmed; take a little time and make the mash good and warm for the birds, adding a little pepper occasionally; stay out in the poultry house until you feel sure you could live there without being a very great sufferer from the cold. January and February, with their stinging cold days are coming, so be sure about the poultry house. Keep the house clean and keep clean straw on the floor. All these are little things, but it is the little things that count with poultry keeping. I know I've said these things before, several times, and I expect to keep on saying them until I am fully convinced that at least one in five of the poultry keepers of the country take tolerably good care of their birds in winter. MILLER PURVIS.

Lake Forest, Ill.

TO COMPLETE FILES.

We desire the following issues of AMERICAN POULTRY JOURNAL to complete the files:

March, 1898 (two copies).
June, 1882.
January, April, May, 1881.
December, 1879.

We will pay liberally for these copies. Perhaps some of our older friends have the numbers but do not wish to keep them. Please correspond with this office. MORGAN BATES & Co.,

325 Dearborn street, Chicago, Ill.

Rape is unquestionably a good food for poultry, and can be grown successfully in the colder latitudes.

A REMEDY FOR PREJUDICE.

A paper called *The Enterprise*, published at Evansville, Ill., contains the following evidence of the misnomer under which it sees daylight:

"Eggs are higher this fall than a year ago, and were higher a year ago than the fall before that, and an observing farmer accounts for it by the fact that people are raising more fancy poultry. He says the new kind of poultry is so high bred and lazy that they have to be lifted to their roosts at night and they are too lazy to lay eggs. The old common kind, without feathered pants or pedigree, laid eggs early and late."

As a rule, "observing farmers" do not object to the increase in price of products. When prices are up farmers with produce to sell are generally happy. Here is a remarkable exception to the rule: The man complains because he can get more for eggs now than he could in 1898 or 1897. With the profundity of a Cincinnatus, he asserts that the cause is the decrease in supply, and that the shortage is owing to the betterment of the fowls. Occasionally we encounter this sort of ignorance; but in all probability no "farmer" said what the editor of *The Enterprise* attributes to this mythical one. The smartness of the item carries evidences of its parentage; it comes from the editor's own mind. Anyone who has the enterprise to investigate the subject knows that the production of eggs and poultry is greater now than ever before. The values of this source of wealth, through the cultivation of a once neglected branch of industry, exceeds several of the staple items of farm produce. A well-bred hen, properly cared for, produces more eggs than a scrub fowl possibly can. The item is not worth discussing, but we allude to it at the request of a fancier who feels the injustice of such a comment on his work. We suggest one plan of convincing this editor: Let the fancier take to him a common fowl and one of the maligned pure-breds, nicely dressed. The result would be an enthusiastic "item" about what was "laid on our table" and that editor would be in the pure-bred poultry business before the year was out.

The poet has sung of the fairer and better sex that she is, at times and in "moments of ease," quite "hard to please." The editor of *Farm-Poultry* tells of a bit of experience in confirmation of this general proposition. Speaking of the difficulty of satisfying customers who purchase eggs for hatching, he remarks:

"We recently received an order for eggs from a lady who wrote: 'I was disappointed in the other eggs you sent. Every chick I raised was a cockerel, and I wanted pullets. Please send eggs which will hatch pullets this time.' In the same mail was a letter from a customer in Ontario, asking price of a cock bird, and saying: 'I got a sitting of eggs from you last spring to raise a cockerel from, for new blood, and every one of the four chicks raised is a pullet.' These two cases well illustrate 'the perversity of inanimate things.' If the lady had got the Ontario customer's pullets she would have been happy, and if he had got her cockerels he would have been happy. As it was, the conditions were the reverse of what was desired, and both are disappointed."

This is Interesting.

I have raised more chicks than last year and think they are even better. I am about ready to sell

Young Birds.

I have a lot of last season's breeders that I want to close out soon.

Anyone Thinking

of raising **WHITE WYANDOTTES** should remember who was "awarded the palm" at Boston this year in the hottest competition of the country. It was **THE** White Wyandotte specialist,

ARTHUR G. DUSTON,

Box 1020. Marlboro, Mass.

For Sale.

FIVE HUNDRED HEAD cocks, hens, cockerels and pullets following varieties: Black Langshans, White Cochins, Barred Rocks, White Rocks, White Wyandottes, Brown Leghorns, Cornish Indian Games and Bronze Turkeys. Prices reasonable. No culls sold at any price.

Address ***R. D. BURNHAM, Champaign, Ill.***

Indian Runner Ducks.

Wonderfully Prolific.

Are rapid and easy growers. Handsome in appearance. Eggs and stock for sale. Write us.

R. B. & C. H. DAYTON, Box 8, Remsenburg, N. Y.

Baldwin's Partridge Cochins.

Winners at Chicago, Kansas City, Omaha, Lincoln,

and all the great Mid-West shows since 1883. Are bred from the best American blood crossed on birds imported from England for me. Heavy feathered males that sire American color for sale.

We Breed Winners to Sell, Not to Look at.

ILLUSTRATED Catalogue, giving winnings on Cochins, Wyandottes, Buff Rocks, free. Agent Climax Leg Bands; will not come of or cut leg feathers. Address

FRED E. BALDWIN, Oaklyn Place, Ottumwa, Iowa.

The Advance Brooder.

Won Diploma at the Illinois State Fair, 1899.

The Best Brooder on Earth.

Be sure and get our circular before you buy elsewhere. It will pay you. A postal will bring it.

THE ADVANCE BROODER CO., Box C, Budd, Ill.

Arnold's Buff Leghorns

Are in the Lead as Ever.

At the great Hagerstown Fair, where there was this season the finest display of Buff Leghorns seen in the East for several years, in competition with noted winners of last year we won **1st, 2d and 3d COCK; 1st HEN; 2d, 3d, 4th and 5th COCKEREL- 1st, 2d and 3d PULLET.** (No pens shown.) Never before did we raise so many fine young birds. We are especially strong in cockerels. Order one and improve your stock.

Arnold's Buff Plymouth Rocks

with the noted cocks, **"ROME," "ROMAN CHIEF,"** and **"ROMAN EMPEROR,"** in our yards, and many chicks from the yards headed by these remarkable breeding birds, and having bred the "Nugget" strain of Buff Plymouth Rocks for two years, paying out a small fortune for stock and eggs of the best possible matings, we do not hesitate to say *we have to-day as fine an average flock of Buff Rocks as can be found in America.* We have cocks, hens, cockerels and pullets for sale. Buy now. We shall treat you right.

AUG. D. ARNOLD, Box 77 C., Dillsburg, Pa.

This Season's Breeder For Sale

at a Bargain.

Also young stock—Buff and Barred Rocks, Blue Andalusians, Buff and S. C. Brown Leghorns. One pair Pekin Ducks, direct from A. J. Hallock, $3

B. F PARSONS, Edwardsburg, Mich.

PURCHASERS of Buff P. Rocks now demand *something buff*—real buff, not red or brown or black and white and buff intermixed. The color in buff Rocks is firmly fixed by the breeders who are capable of **Something Buff** breeding them properly. I can supply either breeding or exhibition specimens that will "breed on" and win.

W. E. CUTLING, Iowa Falls, Iowa.

White Wyandottes and S-c. Buff Leghorns.

Winners at

Chicago, Coldwater, Sturgis.

Eggs $2 per 15 in season. Stock for sale at all times. Satisfaction guaranteed. Circular free. Correspondence solicited.

CHAS. F. HOWE, Box 62, Hot Springs, Va.

500 TO SELL

Light Brahmas, Barred and White Plymouth Rocks, Buff and Partridge Cochins, Mammoth Bronze Turkeys, Embden Geese and Pekin Ducks. Young and old stock for sale. Write for prices.

W. T. & S. J. SAYLER,
New Market, Ind.

BUFF Cochin Bantams.

That are winners. Bred in line from winners.

No Eggs. ***CLARENCE HENDERSON,***
Springfield, Ohio.

Dewey Has Won Prizes.

My **SUPERB Single-comb BROWN LEGHORNS** will **WIN** too. No stock scoring less than 92. My breeders are beautiful. Stock at reasonable rates for elegant birds. Sitting of 15 eggs, in fancy box, from these breeders for 2$, express paid. **C. M. STEINMETZ,**

Breeder and Proprietor,

Rosehill Poultry & Fruit Farm, Rosehill, N. C.

HEADQUARTERS

—FOR—

Barred Plymouth Rocks,
Pekin Ducks,
M. B. Turkeys.

Choice stock for sale.

THOMAS McKEE, Box 142, Washburn, Ill.

Houdans, White Wyandottes, Pekin Ducks.

Large, vigorous, prolific. This season's breeders, among which are many fine exhibition birds, for sale very low to make room for young stock.

MRS. G. A. NORRIS,
Lebanon, Maine.

Poultry Printing

100 Envelopes, 3⅝x6½ inches, extra thick, fine white, high cut, gummed, 40c; 100 Letterheads, 8½x11 in., extra fine thick white writing paper, 45c; 100 Business Cards, 3½x5½ in., thick, 4 ply, round corner, die cut, slick smooth Ivory finish, assorted tints, 40c. All above artistically printed to your order and Illustrated with nice new cuts of your breed of fowls, prepaid for $1 cash. If envelopes, letterheads or cards are not wanted substitute 100 Tags, 2⅝x5⅝ in., at same price.

☞All above, 100 envelopes, 100 letterheads, 100 cards and 100 tags postpaid for only $1.25 cash.

☞No less than 100 of any one kind printed.

No samples sent to any one whatever.

JEFFIE R. HUDSON, Hardin Springs, Ky.

(Mr. Hudson is perfectly reliable.—Editor.)

SOME HINTS ON ORDERING STOCK.

The time is now at hand when the breeder of exhibition birds has it brought forcibly to his mind that the poultry journals have a work of education to perform that calls for continued and repeated effort and this applies to other points beside those of rearing and caring for the fowls, and while I do not presume to give the necessary instructions, I can state from experience a few things bearing upon the subject. The amateur and some others too, perhaps, should be instructed in regard to the best and most satisfactory manner of purchasing stock and the value of birds of more than average quality. It is quite common to get inquiries asking for the price of stock, with not a word of information regarding the number of birds wanted or whether the stock desired is for breeding purposes or for exhibition.

It is impossible to answer satisfactorily, an inquiry of this kind, for the reason that birds differ in quality and therefore in price, and to quote prices on everything in a breeder's yards would mean a great waste of time and labor from which no corresponding good would result. A scale of general prices will not answer the purpose, as for instance, to say that pens will be furnished from $15 up, is very unsatisfactory, and the prospective purchaser is no wiser than before in regard to what he will get for his money. If I wished to purchase stock, I would make up my mind who I desired to entrust with my order which might be one or more breeders who have a reputation for breeding the best, and who can be depended upon to ship what they agree to and who are capable of knowing a good bird when they see one. After deciding this point, I would write something like this:

"Mr. John Smith—Dear Sir: Please quote me price on a pen of White Plymouth Rocks, one male and four females, that ought to score 94 or better." If I wished the birds to be particularly strong in certain points I would so inform him, as in case I desired extra low combs, or eyes unusually good in color, or if I was particular about weight or color of any certain section, I would make these points plain. In this connection, it is well to remember that all birds have defects, and you can take the very best specimens and find fault with them. A great many people after purchasing stock, can only see the defects and are blind to the good qualities manifested. I have had inquiries for White Plymouth Rocks from parties who stipulated that the birds should be "just like the colored cuts in the White Plymouth Rock Club catalogue" or "fully up to the Standard in every way" and other equally absurd descriptions. These are, of course, exceptional cases, but some people expect this kind of stock even though they do not specify it. It is safe to say that their first purchase will be unsatisfactory, no matter where they buy or the price paid.

It should be borne in mind that no responsible breeder will guarantee a bird to reach a certain score. He cannot do this, because the best judges differ in their opinions, and a 96 point bird of today may not score near so high some other time for the additional reason that neglect in many different ways will lessen its outward appearance as regards show condition. The pullet just before she has laid her first egg, will probably score more than she ever will again in her life, although her value as a breeder

WHITE PLYMOUTH ROCKS---Exclusively.

300 choice cockerels and pullets fit to show in any company. Price reasonable; quality the best. Write me your wants.

JAS. S. HOFFMAN, Sharon, Pa.

Roberts' Buff Rocks

are known wherever Buff Rocks are known, and what is better still, it's their merits that make them popular. Circular tells all about them.

Eggs reduced to $1 per sitting; 6 sittings $5.

R. W. ROBERTS, Box 4, Camroden, N. Y.

Blue Barred Plymouth Rocks,

Bradley Bros. Strain.

Large and showy, well barred, fine in shape and color, and no brassiness; legs and beaks a nice orange color. They are as fine a flock as there is the West. I have bred them 2 years and have been very particular to breed them to the Standard. Eggs, $2.50 per 13. No circulars. Write for price.

LEVI McNETT, Woodstock, Ill.

W. P. ROCKS.

The hatching season is over. I have winners that will be ready for the judges by October. They are yours at a fair price.

W. M. JAMES,

Box 123. Alvin, Ill.

200 B. P. Rocks

now ready to ship at reasonable prices. Illustrated circular free, get one.

GEO. J. GLEASON,
Box C, Elburn, Ill.

Empire State Farm.

BROWN LEGHORNS.

ROCKS, Buff and White

GEO. H. BURGOTT, BROWN LEGHORN SPECIALIST

Lawton's Station, N. Y., U. S. A.

Eggs for Hatching, $2 per 13.

Barred Plymouth Rocks.

Four Great Matings, headed by Prize Winning Cockerels.

EGGS FROM THESE YARDS, $2 for 15.

Correspondence solicited.

T. W. McCLURE, Carey, Ohio.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

Incubators For Sale.

Five Prairie State Incubators, 1898 model; used one hatch only; in first-class condition; 300 ducks eggs or 330 hens eggs; for sale very low for cash, or 12 months time to responsible purchasers. Stamp for reply.

JOSEPH E. CONKLIN, East Cass st., Joliet, Ill.

JOE FARMER, FLUSHING, OHIO,

Still has a few hundred

Barred Plymouth Rocks

to spare from his prize-winning stock.

Write wants and get the kind you do want. Mention A. P. J.

You Would Like

some of my Rose Comb Brown Leghorns if you could see them. Have some for sale that are all right. May be returned if not satisfactory. Picture book free

S. G. ALLURED, Ionia, Mich

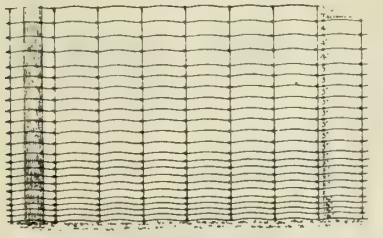
ONLY $5.00

for this first-class cooker and water heater. Just the thing for cooking feed for **stock, pigs** or **poultry** and for heating water for **scalding hogs.** Burns wood only.

The Farmer's Feed Cooker

is made of best cast iron with No. 22 galvanized steel boiler, and holds 20 gallons. We make larger cookers and will quote prices on application. Send for **free circulars.**

Reliable Incb. & Brdr. Co. Box [illegible], Quincy, Ill.



PAGE POULTRY FENCE

Is so heavy, lasts so long, and is so closely woven that it seems strange any other can be sold. Bottom meshes only 1½ inches.

PAGE WOVEN WIRE FENCE CO., ADRIAN, MICH.

Our Best Friends

are the long-time users of Smith Premiers. The more hard work turned out, the more apparent is Smith Premier Durability. Repair bills are reduced to the minimum. Smith Premier capacity for good work all the time is unequaled.....

Ask for Art Catalogue.

THE SMITH PREMIER TYPEWRITER CO.

154 Monroe st. - Chicago, Ill.

has not decreased. A breeder can sell a bird with a score card or he can give his own score, and this is as near as he can come to guaranteeing anything. In the first case the score card simply represents the condition of the bird as found by that particular judge at that particular time, and is not to be taken as evidence that the bird will reach the same score under some other judge at some other time and place. In the second case the conditions are somewhat similar and we have not only to contend with the question of different opinions but the opinion of the breeder himself is very apt to be honestly a little more favorable to the bird than would that of an unprejudiced judge.

If I wished to purchase stock and was compelled to limit the price, I would inform the breeder how much I desired to invest and ask him to describe the birds he would send for the money. If I was not familiar with the value of certain quality, I would send my order to a breeder of known honesty, who is in the business to stay, and who has a reputation to maintain. Such a breeder will give value received every time, and I would send him the amount I wished to invest and ask him to send me the best he could for the money. Good birds are sometimes advertised at a cheap price, but it is an assured fact that quality governs the price the world over, and fine fowls are like a superior article of merchandise, in that they do not have to be, and are not sold for less than their value except perhaps occasionally in isolated cases, which are so rare that it is a losing policy to depend upon finding them.

Then there is the party who will write for "just good breeding stock," etc., and describe birds worth the highest prices paid for exhibition stock. Cases of this kind are not always the result of ignorance, but are sometimes born of a desire to get something for nothing. There are many things necessary to bring about the greatest degree of satisfaction attainable in the buying and selling of standard bred poultry, but the difficulty would be largely overcome if the buyer in every instance knew just what he wanted and recognized it after he got it, and if the seller in every instance was actuated by honest motives and knew the value of his stock.—*Frank Heck in Fanciers' Gazette.*

The epicure undoubtedly prefers, if he cannot always procure, the stall-fed fowl; but the general market calls for the range-fed bird, because it sells at lower price. Delicacy of flavor and tenderness of meat can be best secured by selected rations and quiet development of tissue in confinement. We assert that there are a sufficient number of wealthy families in every large city to justify the catering to this class, just as there are persons who buy expensive clothing instead of the equally warm but cheaper goods. If poultrymen will produce high grade fowls for table (not market) trade they can find a place to put them at a nice profit. Excellent rates higher than ordinary.

Let no unprofitable fowl remain on your premises. You keep fowls for the work they do, not for the fun of feeding them in idleness.

Keep the pullets where they will not be molested by the old hens. Upon the maturing of this young stock much of your winter's success depends.

Buff P. Rocks, Buff Cochins,

White Wyandottes.

I have for sale a number of fine breeding cockerels very low. Also a few choice exhibition birds bred from exhibition stock of known productiveness. State what you want and I will quote prices that should **make you smile.**

W. H. SCOVIL,

Box 82. East Lebanon, Maine.

RAINEY MILLER,

Champaign, - - - - Illinois,

BREEDER OF

Light and Dark Brahmas, Buff, Black and Partridge Cochins, Black Langshans, Barred and White Plymouth Rocks, S-c. B. and R-c. B. Leghorns, Cornish Indian Games, Black Minorcas, W. F. Black Spanish, S. S Hamburgs.

H. D. THOMPSON,

Wheeler, N. Y.,

Breeder of Houdans, American Dominiques, Blk. Lanshans, White Wyandottes, Light Brahmas and Buff Cochins. Have the finest lot of chicks I ever raised. A few yearling breeders for sale cheap if taken soon.

Eclipse Leg Bands.

Poultry Printing.

Circulars and sample leg band free. Get my prices on *up-to-date* printing. "Eclipse" Leg Bands *stay on* and *stay bright.* They are made of aluminum. Prices, postpaid, 12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed.

B. F. HUNTINGTON, Platteville, Wis

POULTRY FOOD

	50 lbs.	100 lb.
Beef Meal	$1.00	$1.80
Concentrated Meal	1.00	1.80
Ground Beef Scraps,	1.00	1.80
Granulated Bone	1.10	2.00
Fine Ground Raw Bone Meal	1.10	2.00
Mica Crystal Grit		.75
Crushed Oyster Shells		.65

C. A. DAMON, **2470 Monroe st., *Chicago.***

TIME IS MONEY!

We haven't got a timepiece to give you free, but we have a monthly poultry paper that you will want to look at just as many times. The information you'll get saves both time and money. 20 pages. Yearly, 50c.; trial six months for 10c.

The Poultry Standard, Stamford, Conn.

Southern Beauties.

We Know— You, Yourself,

are anxious to get a few of the choicest exhibition or breeding birds, such as

Barred Rocks, Indian Games, Silver Wyandottes, Buff Cochins, Light Brahmas, Pit Games, Pekin Ducks, Wild & Bronze Turkeys,

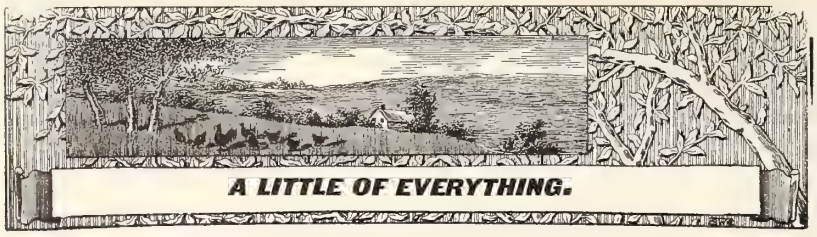
at the lowest prices. If you please, just give us a trial, for we *can* and *will* please you, having as fine as the best on earth.

OUACHITA VALLEY POULTRY FARM,

G. W. BROWN, Prop.,

Camden, Ark.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL.



A LITTLE OF EVERYTHING.

A Good Tonic.

Take shelled corn in a bucket, and dampen it with water, then stir in about a quart of powdered air-slacked lime. Feed this twice a week as an evening meal. It will brighten their combs up in good shape.—*G. A. C. Clarke, Le Mars, Ia.*

Preparing for Winter.

This is the time of year to repair chicken houses. All broken glass should be replaced and all cracks stopped to keep that much-dreaded disease, roup, from getting a start among our own fowls. Have the houses light and comfortable and the fowls will stay in out of the cold winds.—*Paul B. Harshman, Sullivan, Ill.*

Show Birds.

By all means give especial attention to show birds. Separate them from main flock. Feed oatmeal and wheat mash in morning, Cracked corn and wheat and hulled oats at night. All the bread and milk, sweetened, they will eat. Raw lean meat every second day, alternating with chunk of tallow the size of a hazelnut. Dust with insect powder every week. Keep legs, comb, etc., clean and oiled, and success will crown your efforts.—*O. P. Bennett, Mazon, Ill.*

Conditioning Show Birds.

So many breeders and fanciers have the idea that to put a bird in fine show condition you must keep him penned up in the house, on deep bed of straw, get no fresh air, etc. Our experience has been, give the bird fresh air and plenty of it; don't keep him shut up, or you will have a pale, lopped-comb bird not in any kind of show shape. It is true birds should be conditioned when they are short weight and need to be fed up, but we have taken birds right up out of the yards in better show shape than had they been up for four or five weeks. Fresh air, good clean feed and water is the best condition powder one can use. —*Reeves & Jones, Clifford, Ind.*

Late Chicks.

Those late chicks should receive extra care now, as the weather will stop their growth if they are not properly cared for. A warm feed in the morning, green feed at noon, and a full feed of good corn will help them; with cut bone every other day at noon, and a dry warm place to roost at night. Do not crowd your stock, as it brings colds and roup.—*George J. Gleason, Elburn, Ill.*

Breeding Pens.

Now is the time of the year to select the birds we expect to breed from next season. Give them a good run. Keep them growing, and above all, healthy. Exercise will do more to bring this about than anything else. Look well to the feed. See that it is wholesome and well balanced.—*G. C. Flegel, Westville, Ind.*

Buff Rocks.

The Buff Rocks are a very, very popular fowl. We get about nine inquiries for Buff Rocks for one of Leghorns. This season we cannot begin to supply the demand for good birds. We could get our price if we had the birds. Another season we figure on raising 300 chicks of this variety alone.—*Thomas H. Mills, Port Huron, Mich.*

Utilize the Space.

Late in the seasonI had two hens come off with 23 chicks; as the weather was bad I began to think what I could do with them. So I made a shelf two feet wide and two feet from the ceiling, on one side of the small hen house; put netting in front and some sand on the floor, and into this put hen and chicks, and last Sunday, Nov. 12, we had fried chicken from this flock. They have had the best of care and I never saw chicks do better in my life. I have two more hens that are setting, so will have more broilers later on. The arrangement I have makes a fine place to raise them in winter, as they are up out of the way.—*Fred Keith & Son, Lansing, Mich.*

Sell Surplus Stock.

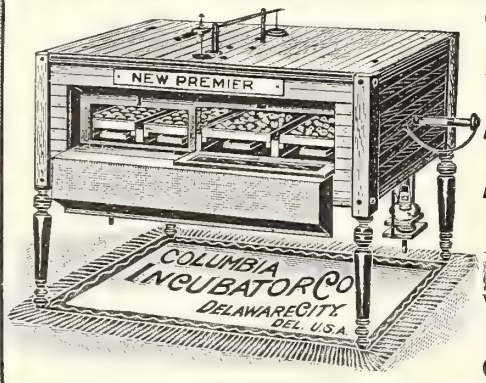
Now is the time for all poultry breeders to think of selling off their surplus stock. All young roosters should be marketed before Christmas. Also old turkeys and large ones and good, fat ducks and geese. If the weather is warm poultry should be shipped alive, and if cold it should be shipped dressed. —*Sprague Commission Company* 218 *South Water Street, Chicago.*

Buying Stock.

As the time for mating up the breeding pens approaches, those who have any birds to buy should do so this month. You can get a better bird for the same money than later in season, besides having a greater number to select from. Remember that the price of exhibition or breeding stock is governed by the quality, so don't expect a five dollar bird for a dollar and a half.—*E. A. Phelps, Austinburg, Ohio.*

A. Z. COPELAND, POTOMAC, ILL.,
Breeder and shipper of young stock from prize winners, that are fine. White H. Turkeys, Wh. P. Rocks and Golden S. Bantams and Poland-China pigs of best blood.

COCKERELS---to "Beat the Band,"
In both Barred and Whits
ROCKS.
Are you in need of an exhibition cockerel, pullet or pen? If so, we can furnish you anything you may want.
Satisfaction Guaranteed or Money Refunded.
RUSSELL & HEADLEE
Ottumwa, Iowa.

INCUBATOR ON TRIAL. NOT ONE CENT UNTIL TRIED
COLD WEATHER PROOF
ACTUALLY FIRE PROOF


OUR NEW PREMIER INCUBATOR ON TRIAL.
Merits
A child can run it. **AUTOMATIC.**
Five minutes' attention a day will run it.
Ten cents worth of oil will make a hatch.
No expensive buildings needed for it.
Can be run under a shed, attic roof or anywhere out of rain and wind.
Diplomas and Medals
World's Fair Chicago, - - 1893
Toronto Exposition, Canada, 1894
Tennessee Centennial, - - 1897
Trans-Mississippi Exposition, 1898
Any responsible person can get our machine on trial, and send the money after trial. Get it, put it in competition with any other machine made. Descriptive catalogue, mailed for 5c.
SET OF PLANS FOR POULTRY HOUSES, 25c.
We are also exclusive manufacturers of the
COLUMBIA AND SIMPLICITY INCUBATOR.
COLUMBIA INCUBATOR CO. 2 ADAMS ST. DELAWARE CITY, DEL.

HELP THE HENS.

Something from nothing you can't take.

The most of us are beginning to realize the truth of this trite saying in regard to most things about us. It is a poor farmer who does not realize that he cannot take grain from his fields year after year, returning nothing to them, without sometime, sooner or later, getting to the end of his string, and finding his land run down and bankrupt. But some poultrymen have not discovered that the same principle holds good in regard to hens. You can't get something for nothing there, either. If your hens are to lay eggs, they must have something to work with; they must get egg-forming elements from some source or other.

In recent years the practical poultryman has been able to double his egg supply in the winter by careful study of egg-producing foods. Prominent among these must be placed green cut bones, a food that is easily and cheaply obtained and that is undoubtedly the greatest egg-producer ever fed to hens. The bone, when finely cut while it is still green, supplies that element of animal food so needed and so relished by fowls, taking the place of the bugs and worms which the hens devour so greedily upon the range. Moreover the bone supplies the mineral matter needed for egg formation, the lime, the phosphate, the magnesia and is, in short, an ideal egg food.

When we consider how cheaply the bones can be produced and how little trouble it is to prepare them for the fowls, it is difficult to understand why any poultryman neglects their use.

It is the reasonable—we may say the inevitable—conclusion reached by *Reliable Poultry Journal* that "the possibilities of the poultry business are practically unlimited." Our valued contemporary remarks: "Thus far the poultry business, with a limited number of exceptions, has only been played with. Men have looked on it as a side issue, as a fad. Too often these men play with the business three or four years, then quit it. Such attempts are hardly worthy to be considered. On the other hand, we can name men by the dozen who, to our personal knowledge, are earning good profits in the business, profits ranging from $1,000 to as high as $7,000 and $8,000 per year. These men have been in the business all the way from two or three to twenty and twenty-five years. They are giving the business their best attention and the results are both certain and satisfactory. Let us join in endeavoring to impress on the minds of the right kind of men and women the fact that this poultry business, throughout the central West particularly, is a great coming industry; that it is a business in which persons of means, of talent and a special liking for poultry and its environments can well afford to invest time and money, in fact, is a business or vocation to which they can well afford to devote themselves. The possibilities of this business are simply immense. Like any other business it has to be learned. Every leading breeder in the country to-day tells us that he cannot produce enough high-grade birds to meet the growing demand."

Keep your name to the front.

Buff P. Rocks, Single and Rose-comb Buff Leghorns; my own "ORANGE STRAIN exhibition and breeding birds now for sale at right prices. Write, L. B. HANNA, Columbus City, Iowa.

That Means High-grade

DEWEY BARRED PLYMOUTH ROCKS, BUFF PLYMOUTH ROCKS, BLACK MINORCAS.

Write for our '99 State and county fair winnings—at Michigan, Indiana and Ohio. 1000 chicks to select from. Choice stock.

M. BLISS DEWEY, Jackson, Mich.

PLYMOUTH ROCKS—Barred, White, Buff.

—AND—

WYANDOTTES—Silver, White, Buff.

H. A. NOURSE, Barre, Maine.

C. H. ROYCE & SON, Detroit, Mich.,

Manufacturers of the Celebrated ***Safety Egg Box.***

The best device for the handling of eggs for hatching.

Headquarters for **BIRD, DOG** and **POULTRY SUPPLIES.** Write for free illustrated catalogue and price list to Dept. A.

SID CONGER, HOPE, INDIANA.

PRIZE WINNER ON

BARRED ROCKS: ELEVEN FIRST AT STATE SHOWS. ***ALSO BLACK LANGSHANS.***

B. AND P. COCHINS, LIGHT BRAHMAS, WYANDOTTES.

You know the kind. He has lots of that sort.

Eggs $8.00 straight on all breeds. | Mention A. P. J. and address.

SID CONGER, Box A. P., Hope, Ind.

PARTRIDGE COCHINS,

- - EXCLUSIVELY. - -

I am breeding from one pen of extra fine pullets (Mitchell strain) mated to a fine cockerel from O. E. Skinner. There is no cold blood here. No stock for sale. Eggs after February first, $5 per 13.

BERNON OGDEN,

3540 B. St., San Diego, California.

LIGHT BRAHMAS

—THE GEMS OF THE WEST—

Some nice yearling cocks at $5.00 each, and breeding trios $10.00 if taken soon. Young stock to spare. My birds are always winners in the strongest competition, 22 years a breeder of Light Brahmas. Catalogue tells about them.

ALFRED DOYLE, Box 41, Morgan Park, Ill.

BUFF ROCK SALE!

We have disposed of all the Buff Wyandottes and Buff Leghorns we can spare this season, but have more Buff Rocks than we have building room to winter.

To move them quickly, shall offer good, well matured cockerels or pullets; good shape, color and size, and sired by our best birds; genuine bargains, at $1.50, $2.00 and $3.00 each. Money back if they don't suit.

Can also furnish **EXTRA FINE BREEDING AND EXHIBITION** stock at honest prices. We will please you. Write, stating just what you want and mentioning American Poultry Journal, to

BUCKEYE FARM, Austinburg, Ohio. E. A. PHELPS, Prop.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

KIND WORDS CAN NEVER DIE.

No More Can Be Asked.

Geo. M. Fish, manager of the Fairacres Farm, Joliet, Ill., writes: "Looking over our business each year, we find the AMERICAN POULTRY JOURNAL has been perfectly satisfactory as an advertising medium. It shows a very marked increase yearly, and is one of the very best that we advertise in."

An Old-Time Friend.

Geo. O. Anderson, Rushville, Ind., writes: "I can heartily indorse and recommend A. P. J. The first copy I ever saw I won as a premium on a S. C. B. Leghorn cockerel, in 1886-87. I have been a subscriber ever since, and much of the time an advertiser."

Brings the Replies.

Thos. H. Mills, Port Huron, Mich.: "A. P. J. still brings replies and is about the best paper I ever advertised in. I wish you grand success."

A Good Investment.

G. C. Flegel, Westville, Ind., White Wyandotte specialist, writes: "The A. P. J. account I never regret paying, as I always make a good per cent on the investment."

A Necessity.

Edwin W. Fly, Chalfont, Pa.: "Without advertising space in A. P. J. my business would not succeed."

More Inquiries Than From Others.

H. D. Thompson, Wheeler, N. Y., breeder of Houdans, Buff Cochins, Langshans, Light Brahmas and Am. Dominques: "My ad in A. P. J. has paid me handsomely. I get more inquiries from it than from any other source. I wish you success."

Good Results from A. P. J.

Continental Poultry Farm, successors to H. C. Eckert & Sons, Belleville, Ill., say: "We have had good success with poultry this year and A. P. J. has given us good results from our ad."

More Proof of the Pudding.

O. L. King, Walnut Grove, Ill.: "After carefully thinking the matter over, I concluded to increase my ad space in A. P. J. from two to three inches and try it for the coming year. The 2-inch ad has been so very satisfactory, I really have no fear of results."

Some Benefits Derived.

Ralph H. Mathew, Sabina, O.: "A. P. J. has proved a journal of great advertising merit to me."

Well Satisfied with A. P. J.

D. F. Taylor, De Ruyter, N. Y.: "I am well satisfied with the advertising in A. P. J."

Steady Advancement.

H. D. Thompson, Wheeler, N. Y.: "Every issue of A. P. J. is better than the last one. I cannot do business without it."

All He Can Attend to.

W. M. Hughes, South Portsmouth, R. I.: "I do not need any larger space in A. P. J., because the space I already have—and re-engage for coming year—now brings me about all the trade I can care for."

Covers a Wide Field.

Chas. E. Vass, Washington, N. J.—"AMERICAN POULTRY JOURNAL has brought me many inquiries and good sales, in the last year. I have shipped eggs and stock to 23 states and Canada. One coop of Buff Orpingtons was sent by me to Port Antonia, Jamaica, B. W. I.

Has Faith in A. P. J.

W. H. Haltemann, East Coventry, Pa., Buff Rocks: "I believe an ad in A. P. J. is beneficial, and I mean to do all I can for your magazine."

Good Returns.

E. F. Hornig, Litchfield, Ill.: "I increase my space, as I have had good returns from A. P. J. and hope they will continue."

His Money's Worth.

J. C. Brown, Campbellsburg, Ind.: "The A. P. J. has given me my money's worth and I feel I could not do without space in it if you increased your rates 100 per cent."

Tally American.

N. Schweinfurth, Jackson, Mich.—"AMERICAN POULTRY JOURNAL is rightly named. It is truly American in the fullest sense; and from the number of inquiries I get from my ad in it, I conclude that it goes to every part of the country. It is up to date, reliable, and full of good, useful information for every kind of fanciers, both amateur and old."

Lots of Responses.

H. N. Hanchett, Jackson, Mich.: "I am getting lots of responses to my ad in A. P. J."

W. H. Chenoweth, River Forest, Ill., writes this nice letter: "Inclosed find 50 cents for renewal of subscription to A. P. J. That is not too much. I don't intend to pay less, unless you compel me to by law. Why, Rigg's articles are worth more to me than the subscription price. THE JOURNAL is worth more to the beginner than you ever charged for it, and old breeders can learn from it."

A Business-Caller.

A. J. Bargahiser, Rockford, O.—"I find A. P. J. a business-caller."

Thinks A. P. J. Is All Right.

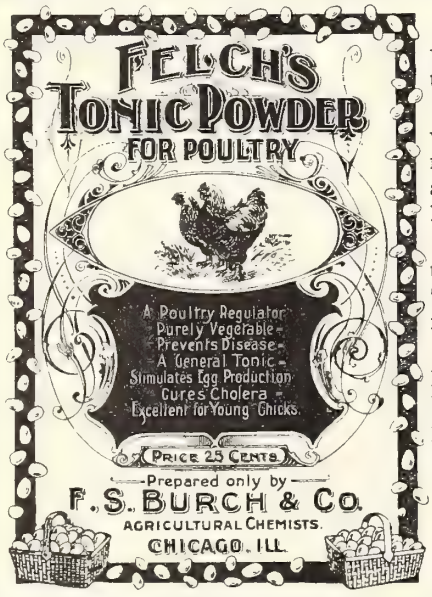
C. M. Fesler, Terre Haute, Ind.: "I read A. P. J., advertisements and all, and it is a splendid paper. Can't do without it."

Far-Reaching Effects.

J. I. De Lancey, Elgin, Ill.: "The past season has found me rushed with orders for both fowls and eggs. October 24 I made the fifth shipment to Old Mexico, consisting of 127 fowls, making in all over 600 fowls shipped to that country this year. Accept my thanks for the part A. P. J. has taken in helping me make these large sales.

FELCH'S TONIC POWDER FOR POULTRY.

WILL KEEP FOWLS STRONG AND HEALTHY.



If properly fed it will make your pullets lay early. Worth its weight in gold during the moulting season. Prevents nine-tenths of the more common ailments in fowls.

No matter what kind of food you give your laying hens, mix with it daily FELCH'S TONIC POWDER. It will stimulate them into renewed vigor and activity. It is a powerful food digestive, and assures perfect assimilation of the food elements needed to produce health and firm eggs.

The only sure way to make hens pay is to keep them in condition to lay when eggs are high in price. A teaspoonful of FELCH'S TONIC POWDER, mixed with the daily mash, will accomplish the result—no guess work about it. Try it and be convinced.

For curing and preventing Anæmia, Vertigo, Atrophy of the Liver, White Comb, Cholera, Cramps, Leg Weakness, Diarrhœa, Debility, Enteritis, or Indigestion. Nothing on earth will answer the purpose so well as FELCH'S TONIC POWDER, and no other medicine or tonic is anywhere near as cheap in price. Large, 20-ounce packages sell at 25 cents each, $2.50 per dozen. AGENTS WANTED.

F. S. BURCH & CO.,

178 Michigan st., Chicago, Ill.

WHEN WRITING TO ADVERTISERS SAY YOU SAW IT IN AMERICAN POULTRY JOURNAL

EMPIRE STRAIN WHITE PLY. ROCKS.

No Culls. Eggs and stock all the year.

B. P. Rocks, Buff Wyandottes, Buff Cochins.

Fowls range on two large farms, besides home yards. Careful mating; proper care. Satisfaction promised. Member W. P. R. Club. Prices reasonable.

E. M. DURHAM, LaPlata, Mo.

They Got Their Money's Worth

has been the verdict in the past

The quality of chicks this season is even better than ever before. I have for sale 50 yearling and two-year-old hens; also 1000 chicks, produced by that champion sire **MARKUS** 92½, his sons, Ideal and Victor K, 93 and 92½, and four other males bred along the same lines. If you are looking for size and style in birds, with barrings that are second to none, address the exclusive breeder of Barred Rocks for circular and prices. Mention American Poultry Journal.

O. L. KING, Walnut Grove, McDonaugh Co., Ill.

WOULD YOU DO IT?

If you could be assured that you could buy an incubator that removed all elements of doubt would you do it! We can assure you that this is true of

THE ILLINOIS INCUBATORS.

They are made so they cannot fail. Simple but perfect in construction and operation. They excel in—**proper application of heat; perfect ventilation; complete control of moisture; large and roomy egg chamber and comfortable nursery for chicks.** Can't catch fire from lamp explosion or other super-heating—they are covered with iron and are not only fire proof but heat and cold and moisture proof. Hot air or hot water, as you prefer. Don't buy until you get our

Free book, "ILLINOIS." ***J. H. JONES, Box 55, Streator, Ill.***

ROUP CURE GUARANTEED, ROUP

CONKEY'S ROUP CURE—the only remedy positively known to cure Roup in all its forms as long as the fowl can see to drink. Simply put the cure in drinking water and the fowl will take its own medicine. **For Canker**, especially in pigeons, this remedy excels all others. One 50c package makes 25 gallons of medicine. **Directions** with every package. If this fails to cure we refuud the money. Postpaid, small size, 50c; large size, $1. Petaluma Incubator Co., Petaluma, Cal., Pacific Coast Agents.

AGENTS WANTED. **G. E. CONKEY & CO., CLEVELAND, OHIO.**

Please mention this paper. Do not send stamps.

RIGG'S LINE BRED 1874 SINCE HOUDANS

STANDARD OF HOUDAN EXCELLENCE IN AMERICA.

Breeding and Exhibition Stock.

Specimens that are right, and positively guaranteed **TO BE RIGHT.**

ALL ONE PIECE

ALL ALUMINUM

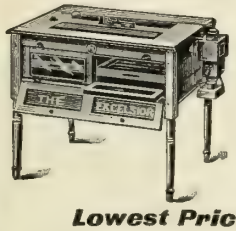
There are no tags, or connecting links, or pieces to loose off, or bother with in putting on. Once on, they are permanently attached to the fowl's leg, unless removed by the owner of the bird. Claims that a band can be used again and again are made for the purpose of making a sale. A band once a fowl's leg should remain there as a permanent identification of that particular bird. It should not be removed. Further, bands are so cheap there is no need of using them again. The **"ECLIPSE"** can be taken off and used again, but is not made for that purpose. It is made to "stay on" and will do it, It is the only **one piece** metal band that is absolutely certain to "stay on."

PRICES POSTPAID:—12, 30c; 25, 50c; 50, 75c; 100, $1.25. State breed when ordering.

Sec'y-Treas American Houdan Club. **THOS. F. RIGG, Iowa Falls, Iowa.**

Hatch Chickens by Steam,

with the simple, perfect, self-regulating

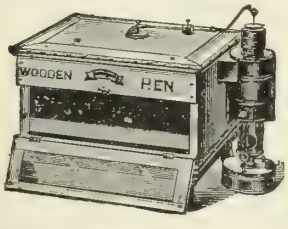


Excelsior Incubator,

Thousands in successful operation. Guaranteed to hatch a larger percentage of fertile eggs, at less cost, than any other hatcher.

Lowest Priced First-class Hatcher Made.

THE WOODEN HEN,



The most efficient incubator for raising poultry on a small scale ever invented. A perfect hatcher—automatic, self-regulating, thoroughly constructed, fully guaranteed.

50-egg Capacity.

Catalogue free.

GEO. H. STAHL,

Patentee and Sole Manufacturer,

114-122 S. 6th st., Quincy, Ill.

LOOK!

140-acre farm, 1500 cords wood and timber; keeps 20 head of cattle; can set 2000 sugar buckets; 12 room house, large barns, new sugar house, running water, lot of fruit; R. R. village, acadamy 3½ miles. Price $1100. Gunn & Co., "The Hustlers," Marlboro Depot, N. H.

Buff Plymouth Rocks.

Pure Nugget Strain only.

Indiana State Fair winners, 1898. Won 1st and 2d cock, 2d pen, on 4 entries. I have a choice lot of young birds, bred from my prize-winners. Some fine yearlings for sale at reasonable prices. Write your wants. Member Am. Buff Rock Club.

MRS. E. I. REYNOLDS, Haskells, Ind.

Fine Young Stock For Sale in

White Wyandottes

and

Black Langshans.

Cockerels $1.50 to $4. A few fine trios left at $5. My birds are vigorous; have 13 acre range. Correspondence a pleasure.

Hickory Heights Poultry Farm,

H. H. FIKE, Prop., Worth, Ill.

MONEY IN HONEY!

The Weekly American Bee Journal

Tells all about it.

Sample Copy Mailed Free

G. W. YORK & CO.

118 Michigan St., CHICAGO, ILL.

Fancy Pigeons For Sale.

Pouters, Archangels, black, white and blue Fantails, black, white, blue, yellow Muffed Tumblers, Black and Red Magpies, Red Jacobins, Black Trumpeters, Black Swallows, yellow and light blue Helmet Tumblers. I just received 24 prizes on 25 pairs of my pigeons at the largest poultry and pet stock exhibition held in the West at Cedar Rapids, Iowa, 500 pigeons in competition. I also won the Niles special prize and sweepstakes for finest collection of fancy pigeons. Prices way down. Address

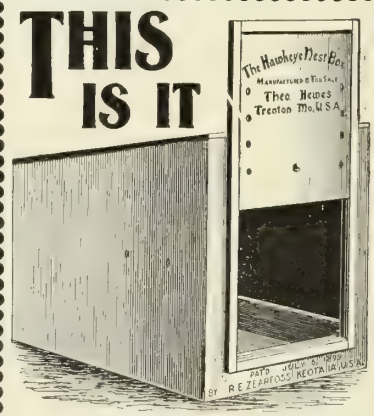
P. NEWCOMB, box 355, Cedar Rapids, Iowa.

25

CENTS FOR 50 BUSINESS CARDS for Poultrymen, like engraving, with name, breed, address and **THE POULTRY STANDARD,** the best monthly poultry paper in the east. **6 Months** for 25c. Samples of cards and paper for 2c stamp. Classified adv. 48 words 3 months for 25c. Circulation 5,000.

THE POULTRY STANDARD, STAMFORD, CT.

THIS IS IT



THE HAWKEYE NEST BOX

The only absolutely reliable pedigreed box on the market. Only one hen can enter at a time, and she is confined until released. No more egg-eating hens. No more chilled eggs. It will work with any size or weight of hen. It will catch and hold any mink, skunk, or cat that enters it, and as a rabbit trap has no equal. No plans to addle your brain, but the box just as you see it in the picture.

Sold on Honor and Guaranteed to Give Satisfaction. Single Boxes, $1.25; ½-dozen, $7.00; dozen $12.00. Order direct or send for circular.

THEO. HEWES, Box 7, TRENTON, MO., U. S. A.

THE "RINGLETS" Soar Still Higher.

At New York the World's Record of

E. B. THOMPSON'S BARRED P. ROCKS

1st Prize Pullet at New York.

Four Years in Succession, was the most remarkable ever achieved in the realm of poultry exhibitions. This record is by many points the highest ever accomplished in the **Annals of the New York Show, winning** during **four years in succession more than three times as many First Prizes** as any other exhibitior and **as many First Prizes as ALL COMPETITORS COMBINED,** including the **Superb Challenge Trophy,** value $100, for best cock, cockerel, hen, pullet and exhibition pen; **$100 Silver Cup** for finest exhibit; **Grand Special Prize, Sweepstakes Cup.** value $100, presented by the president for the best Plymouth Rock cock, cocke el. hen and pullet, **any variety.**

MY CLEAN SWEEP IN 1898

of 1st, 2d, 3d 4th and 5th PRIZES ON PULLETS

has never been approached in Madison Square Garden, and stands *alone and unequalled.* The "**Ringlets**" also hold the **World's Record** of 1st on Exhibition Pen at **New York, three years in succession.**

GRAND STOCK FOR SALE **600 BREEDING COCKERELS.** One of them will do you good. **Choice Females** in any number. ***Show Birds fit to win in the fastest company.*** Richly illustrated catalogue on application. Address

E. B. THOMPSON, Lock Box 510, Amenia, Dutchess Co., N. Y.

The National Strain

has reached The Pinnacle of Fame.

Turkey Hen, Miss Annie. 1st Louisville, 1st Indianapolis.

The Mammoth Bronze Turkey Farm has won more first prizes during the past five years than ALL COMPETITORS COMBINED. A CLEAN SWEEP AT THE GREAT INDIANAPOLIS SHOW—***1st on old tom, 1st, 2d on hen, 1st, 2d on pullet, 1st, 2d on young tom, 1st, 2d on pen.*** A record unrivalled by any breeder in America. In four other state shows these birds won the following:

GRAND SWEEPSTAKES, TWICE.
GRAND SPECIAL, SIX TIMES.
FIRST PRIZE, FIFTEEN TIMES,
SECOND PRIZE, ELEVEN TIMES,
THIRD PRIZE 6 and FOURTH PRIZE 4.

Show Birds that Win in the Fastest Pace.

We have plenty of young stock for sale from these birds which are sure to produce prize-winners. We can mate pairs, trios and pens not related and for best results. We have satisfied customers in nearly every state and territory in the Union, besides, Canada, Africa, Australia and South America.

We also have a grand lot of Barred P. Rocks, in any quantity, for sale cheap. Western agents for the famous ***Star Incubator*** and ***Poultry Supplies.*** Send stamp for the best catalogue out on Bronze Turkeys—28 pages. It's worth a dollar to you.

SAM JOHNSTON & CO., box 345, Boggstown, Ind.

Poultry Judge. Member National Bronze Turkey Club.

At the Great St. Louis, Mo., Fair, '99,

FISHEL'S

White Plymouth Rocks

won 1st and 2d prize fowls, 1st and 2d prize chicks, entered as pairs, and 1st and 2d pen. **A CLEAN SWEEP.** There never was such a record made by any White Rock breeder.

AT GREAT CHICAGO JOINT SHOW, '99, my birds won 1st, and 3d prize cockerels, 1st pen and the American White Plymouth Rock Club cup, the most coveted prize offered.

AT INDIANA STATE FAIR, 1898. I won 1st cock, 1st hen, 1st and 2d ckl, 2d pullet, 1st pen. They are winning prizes all over the world in the hands of my customers.

BRONZE TURKEYS (St. Louis winners) TOULOUSE GEESE (Indiana State Fair winners.)
and PEKIN DUCKS.

1500 Select Birds For Sale 1500

at prices that will sell them. If you want the best write me. CIRCULAR FREE.

U. R. FISHEL, Box A., Hope, Ind.

Ex-President American White Plymouth Rock Club.

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